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# Rock Island Implements



Rock Island Plow Co.  
Rock Island, Ill.



CATALOG No. 42

THE  
ROCK ISLAND PLOW  
COMPANY

MANUFACTURERS OF

Farm Machinery

ESTABLISHED 1855



*Factory and General Offices*  
ROCK ISLAND, ILLINOIS, U. S. A.

BRANCHES

INDIANAPOLIS, IND.  
MINNEAPOLIS, MINN.  
SIOUX FALLS, S. DAK.

OMAHA, NEB.  
ST. LOUIS, MO.  
KANSAS CITY, MO.

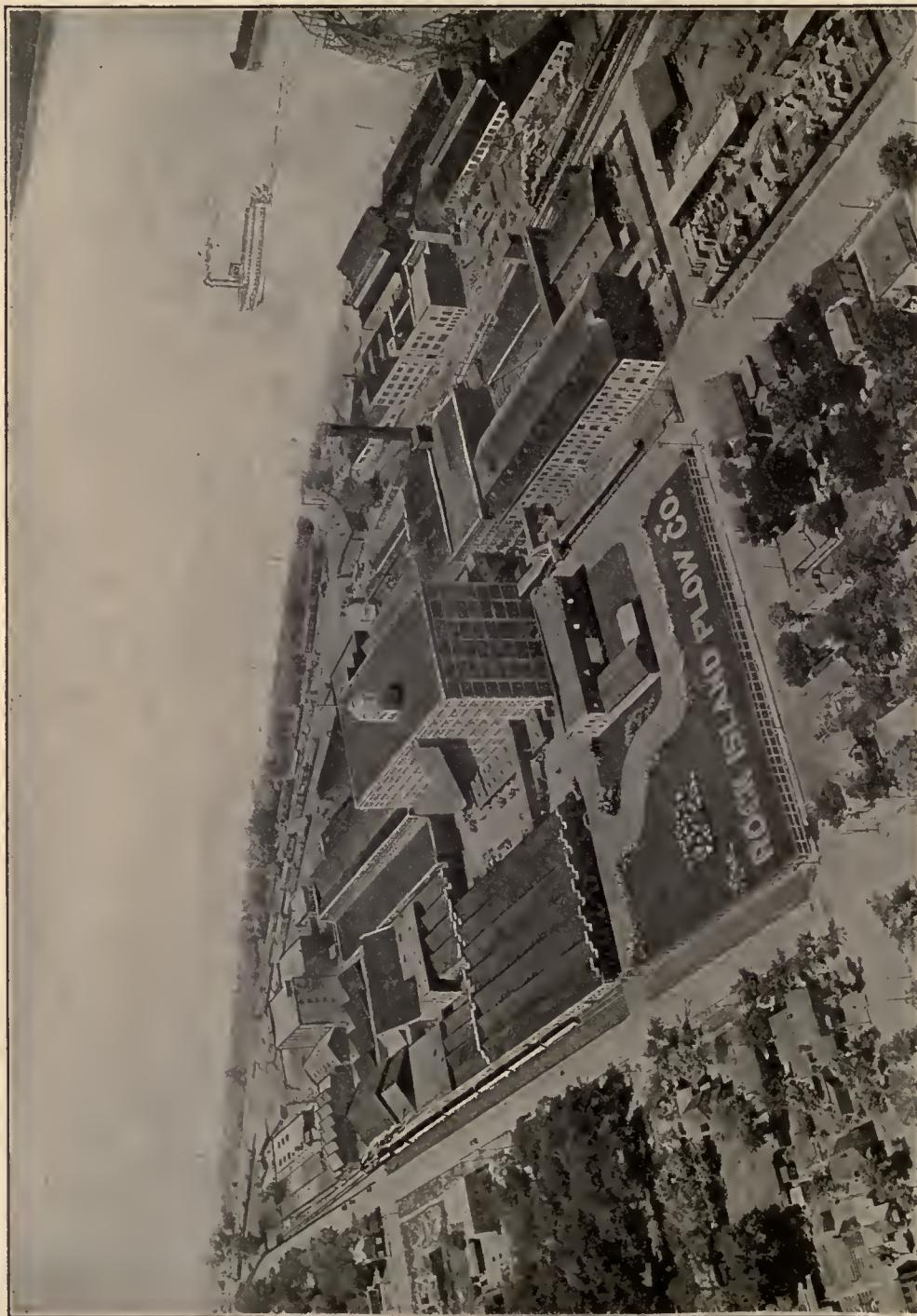
DENVER, COLO.  
OKLAHOMA CITY, OKLA.  
DALLAS, TEXAS

EXPORT DEPARTMENT

David S. Hays and John L. Denton, 115 Broad St., New York City, U. S. A.



ROCK ISLAND PLOW CO.—ROCK ISLAND, ILLINOIS



AEROPLANE VIEW OF FACTORY AND GENERAL OFFICES ROCK ISLAND PLOW CO., ROCK ISLAND, ILL., U.S.A.

On the Banks of the Mississippi River

Manufacturers of an Extensive Line of Rock Island Farm Implements and "Heider" Tractors



No. 42



# To Our Dealers

After you have been in business for a number of years you take pride in telling your customers how long it has been. Continued operation for any great number of years indicates success—profit not only to you but also to your customers, for your increased business depends upon their profitable use of your goods. You have practically the same people year after year with whom to deal.

We take pride in our long career as farm implement manufacturers. The Rock Island Plow Company was founded in 1855—over seventy years ago. At first a small blacksmith shop was our factory and walking plows were the principal output. Since that time the business has increased, more tools have been added to the line, and the factory enlarged so that for several years the Rock Island Plow Company has been universally considered one of the leading manufacturers of farm equipment.

This factory has been a leader—not a follower—in developing new, and improving old tools, new plows, disc harrows, planters, cultivators, listers, spreaders, hay tools—in fact in all of these lines the Rock Island Plow Company has made inventions that mean better work in less time for the farmer—extra satisfaction to the dealer.

A few of the inventions are listed below.

1. The first successful hayloader.
2. The first successful cylinder loader with jointed elevator.
3. The first frameless sulky plow.
4. The first frameless lister.
5. Oscillating scrapers for disc harrows.
6. "CTX" plow bottoms—the bottom that will go into a variety of soils, turning the furrow slice clear over and laying it flat on the subsoil.

## Tractor-Drawn Implements

It was but a short step from the manufacture of walking and riding horse-drawn plows and harrows to the development of a line of highly successful tractor-drawn plows and harrows.

## Other Well-Known Implements

The rapid growth of the Rock Island line of farm implements is also founded upon the purchase of other factories that had already established a high-class reputation for their products.

Twelve years ago the company manufacturing the famous "Great Western" Line of Spreaders, Separators, and Litter Carriers was purchased by the Rock Island Plow Company, and this was followed a year later by the acquisition of the well-known line of C. B. & Q. Hay Tools.

On January 1, 1916, the Heider Tractor was purchased by this concern, so that all Rock Island Dealers have, for several years, been able to offer their trade a real all-purpose tractor at a reasonable price and at the same time make a profit themselves.

## Quality

The materials which go into Rock Island implements are selected with the greatest care by experts of long standing.

Our factories are equipped with the latest improved, modern machinery for making better implements at less cost, and this machinery is operated by skilled mechanics.

All steel and iron parts receive the most scrupulous inspection. Woodwork undergoes a careful examination to see that the timber is right, and the sawing, trimming, sandpapering, ironing, etc., are faultless.

Good Equipment Makes a Good Farmer Better



## TO OUR DEALERS (Concluded)

The paint is tested often to make sure of the purity of its ingredients. The colors must be uniform and oils free from adulterants. Every piece must be perfectly coated and finished.

In fact, the Inspection Department must pass on every detail. How effectively this department does its work is shown by the scarcity of complaints and satisfactory increase in our business.

The Rock Island Plow Company also realizes that its constant increase in business is due, in a large part, to the loyalty and energy of the large army of Rock Island Dealers, for whom this catalog is published.

We make every effort to see that our dealers get the tools and repair parts wanted, and when they want them. Nor does our interest

end here, for our Sales and Advertising Departments keep close track of the implements the dealer has on hand and co-operate in every way in moving them.

Our Advertising Department has at its command a great variety of selling helps and ideas and a thorough knowledge as to how they can be adapted to the dealer's particular problems. Dealers are urged to call for advice and material in planning campaigns.

We wish to thank our dealers for the hearty support they have shown us in the past and assure them we are at all times anxious and willing to extend our efforts to increase their business.

Your success means our success, and the greatest results can be obtained by our working together.

**ROCK ISLAND PLOW COMPANY, Rock Island, Illinois**



Make Delivery Day a Big Event



## Rock Island "Sales Helps" Service

**Y**OU are backed up in your selling campaigns with publicity helps, when you handle Rock Island Implements.

The Rock Island Sales Service Department has been organized and operated for the sole purpose of creating selling ideas and putting them at your disposal. With the aid of this department, you can put in operation a complete advertising campaign in your territory and inform every farmer of the merit of the farm tools you have on hand. Furthermore, the cost to you for a campaign of this kind is less than one-third of the entire expense.

Here is a brief description of the big variety of selling helps that are placed at your service. Go over them carefully, pick out the ideas that best meet your needs and write our nearest branch house to forward you the material. Also go into the subject thoroughly with the Rock Island salesman the next time he comes in. He will help you to plan a complete advertising campaign in your territory.

## Advertising Aids that Make Good

Farm Paper Campaign—The Rock Island Plow Company tells the farmers about

#### Ads Appearing in the Leading Farm Papers

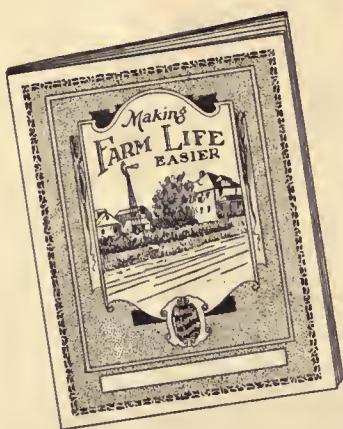


## ROCK ISLAND SALES SERVICE—Continued

Rock Island Farm Tools through the leading farm papers. For instance, this year ads have been running in farm papers totaling over 3,600,000 circulation in a territory having less than three million farms.

As a result of this publicity, thousands of letters are received from farmers inquiring about Rock Island Farm Tools, and all of these letters are immediately forwarded to our dealers for attention. Thousands of other farmers are going direct to the dealers' stores on account of this same publicity.

**Local Paper Ads**—The continued and persistent use of the local papers brings the dealers large returns with little expenditure. In order to be of assistance in this form of advertising,



the Rock Island Sales Service Department has prepared a big variety of ads on the different tools of the Rock Island line. These ads are written by expert copy men and are all electro-typed ready for insertion in your local newspaper. All of these plates are supplied to Rock Island dealers free of charge.

**Mailing Lists**—Under no circumstances should you fail to back up your local paper advertising with printed matter, sent direct to the farmer by mail. Send in your mailing list and we will see to it that an attractive catalog showing the complete line, also two- and three-



color folders, are sent out at different times describing in detail Rock Island Farm Tools that you have on hand. This is all done at our expense—even to the cost of the postage. In every instance the farmer is urged to call on you. You send in the list—we do the rest.

**Hangers**—We have a large assortment of colored hangers—the kind that attract attention. They are splendid decorations for your show room and are guaranteed to catch the eye. Send for them.

**Special Help**—Bear in mind the fact that besides all of the various kinds of advertising assistance mentioned here, the Rock Island Sales Service Department is ready to do special work of any kind for you at any time. If you want special ads written up, circulars, catalogs or posters designed, letters created, or any

# Rock Island Implements

16 Inches Wide by 8 Feet Long



## ROCK ISLAND SALES SERVICE—Continued

other assistance or advice on your advertising problems, send them in and they will be taken care of. Our advertising experts are ready at all times to be of aid to you whenever possible.

Warehouse Signs—One or two handsome warehouse signs prominently displayed on your building is a valuable part of your advertising. The design and general appearance of the Rock Island Warehouse sign is a credit to any dealer's place of business. These signs are supplied free of charge, all carrying charges prepaid. Get them up on your building.

## For Your Convenience

If you are a considerable distance from the factory at Rock Island, you do not have to wait several days before receiving complete implements or repair parts needed in a hurry. Rock Island Plow Company branch houses with large warehouses containing implements used in their vicinity are located as follows:

EASTERN ROCK ISLAND PLOW Co....Indianapolis, Ind.  
ROCK ISLAND PLOW Co.....Rock Island, Ill.  
NORTHERN ROCK ISLAND PLOW Co.

Minneapolis, Minn.

ROCK ISLAND PLOW Co.....Sioux Falls, S. D.



Your Name and Address

## Rock Island Dealers' Prepared Ad

WESTERN ROCK ISLAND PLOW Co.....Omaha, Neb.  
ROCK ISLAND IMPLEMENT Co.....Kansas City, Mo.  
ROCK ISLAND IMPLEMENT Co.....Denver, Colo.  
ROCK ISLAND PLOW Co.....St. Louis, Mo.  
ROCK ISLAND IMPLEMENT Co....Oklahoma City, Okla.  
SOUTHERN ROCK ISLAND PLOW Co.....Dallas, Texas

Also warehouses and transfer facilities in many other near-by cities.

Keep in close touch with the branch house serving your territory. They will be glad to give you sales help.



Northern Rock Island Plow Company, Minneapolis, Minn.



## Rock Island Branch Houses



SOUTHERN ROCK ISLAND PLOW CO.,  
Dallas, Texas

One of the Many  
Large Branch Houses  
Owned and Operated  
by the  
Rock Island Plow Co.



## Rock Island Branch Houses

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WESTERN ROCK  
ISLAND PLOW CO.,  
Omaha, Neb.

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ROCK ISLAND  
PLOW CO.,  
Sioux Falls, S. D.

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ROCK ISLAND PLOW CO.—ROCK ISLAND, ILLINOIS



## Rock Island Branch Houses



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ROCK ISLAND  
IMPLEMENT CO.,  
Kansas City, Mo.

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ROCK ISLAND  
IMPLEMENT CO.,  
Denver, Colo.

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## Rock Island Branch Houses

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ROCK ISLAND  
IMPLEMENT CO.,  
Oklahoma City,  
Okla.

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ROCK ISLAND  
PLOW CO.,  
St. Louis,  
Missouri

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## Rock Island Branch Houses



EASTERN ROCK ISLAND PLOW CO.,  
Indianapolis, Ind.

Large Stocks of Rock Island  
Farm Implements Are  
Available at Other Transfer  
Points

Ask Your Nearest  
Rock Island Branch House

AN EXTENSIVE LINE  
OF WALKING PLOWS

STUBBLE  
TURF and STUBBLE  
GENERAL PURPOSE  
BLACK, WAXY LAND  
MIXED LAND  
VINEYARD  
RAILROAD  
ROAD  
PRAIRIE BREAKER  
BLACK LAND MIDDLE  
BREAKER  
MIXED LAND MIDDLE  
BREAKER

Also a big line of  
Gang Plows—Horse-drawn  
and for use with Tractor.

# Rock Island WALKING PLOWS



## FOR YOUR SOIL

No matter how varied your needs may be, you can get a Rock Island Walking Plow which will meet your requirements.

Since 1855 the "Rock Island" has been one of the leading lines of Walking Plows. The plows are built to do the highest grade of work, and to stand the most severe strain and hardest usage.

Beams are double ribbed, high carbon steel, bolted securely to landside. Land bar is forged into a frog at forward end, share and moldboard both being securely bolted to it. A brace from land bar to moldboard gives additional stiffness and strength.

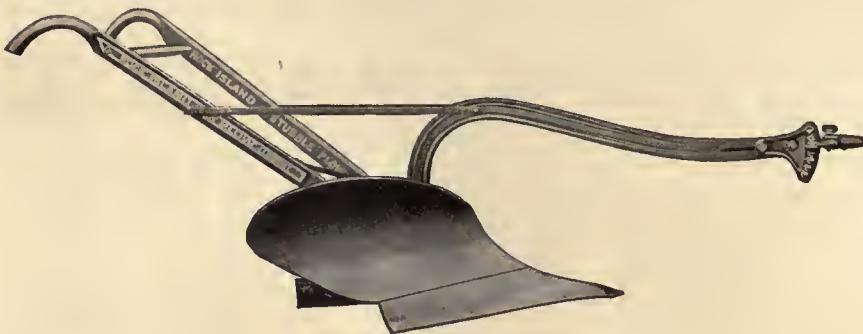
Rock Island Plow Bottoms are noted for their good work, long life and superior scouring qualities.

MANUFACTURED BY

Rock Island Plow Co.  
ROCK ISLAND, ILLINOIS



## Rock Island Walking Plows



### Since 1855

SINCE 1855 "Rock Island" has been one of the leading lines of walking plows. These plows are especially constructed to withstand the most severe strain and the hardest usage that they will have to undergo. They are braced wherever bracing is needed—in fact, the construction throughout guarantees for them an exceptionally long life.

No matter how varied your customer's needs may be, you can furnish them with Rock Island Walking Plows which will satisfactorily meet their requirements.

A view of the underside of a Rock Island Plow bottom shows the extreme simplicity as

well as the enduring strength of Rock Island construction. The land bar is forged into a frog at the forward end, share and moldboard both being bolted to it. A brace from land bar to moldboard gives additional stiffness and strength.

The beam is double-ribbed high carbon steel and bolted securely to the landside. The land bar is equipped with a removable slip heel of chilled cast iron, which adjusts for wear. This heel lengthens the life of the land bar, and, when worn out, may be replaced at a slight cost.



Underside View of Rock Island Walking Plow

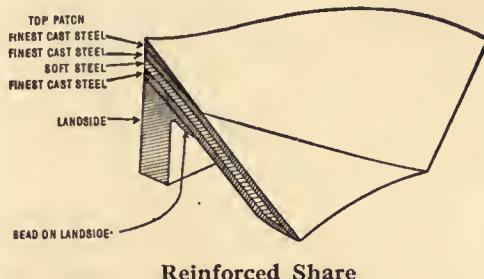


# Rock Island Plow Shares and Moldboards

## Rock Island Plow Bottoms Are Noted for Their Long Life and Their Scouring Qualities

PAY particular attention to the moldboard and share. They are the parts of the plow that actually do the work. All the other parts are built merely to enable them to do their work.

Rock Island plow shares and moldboards are made of high-grade soft center steel. Con-



Reinforced Share

tinuous actual field use has proved this to be the best for the purpose.

Two pieces of hard steel with a soft steel bar in between are welded into one solid piece. Our special process tempers the outside layer to a flint-like hardness, but does not affect the soft center. The hardened outer surfaces have wonderful scouring qualities; the soft center gives strength, and, at the same time, absorbs the shock, making Rock Island bottoms meet severe conditions successfully year after year.

The point of the share is further protected by a layer of high-grade steel one-fourth inch thick, which is welded on the top side. Notice the bead on the share landside where it is



Double Shin

welded to the share. For strength, stiffness, and long wear, Rock Island shares have no superior.

## Moldboards

Most of the wear comes on the shin of the moldboard. Now notice from the illustration how thick we make it. The double shin provides considerably greater strength and longer life to the moldboard, giving much more wearing surface.

## Landside

Rock Island landsides are also soft center steel with outside layers tempered to exactly the right degree to stand an immense amount



Chilled Cast Slip Heel

of wear. The chilled cast slip heel is adjustable for wear and can be renewed at slight cost.

Rock Island plows are made in various styles and sizes, so that there is sure to be one that will meet your customer's soil conditions.



High Landside with Chilled Cast Shoe



Medium Landside with Chilled Cast Slip Heel



Low Landside with Chilled Cast Slip Heel



## Instructions for Attaching Extra Bolted Shares

1. Remove the original share.
2. Place the extra share in position. If it does not fit readily to its place, drive a drift (a piece of round steel  $\frac{3}{8}$ -inch, tapered at the end) through the landside hole and through the frog. Then, as the holes come opposite, insert the bolts and tighten the nuts.

NOTE.—It is necessary and advisable that a hardened steel plow shall go together on a strain to preserve both close fitting and the bottom suck, hence the need of a drift in putting on extra shares.

Be careful in driving drift, as the steel is hard and liable to break.

For hard and also sticky soils, take off share and landside bar together and have the point and edge of the share well set down, to give bottom "suck"; this will prevent winging up.

In light, mellow and sandy soils, a share may be set flat or given a bearing surface along its edge; this will prevent winging down.

### How to Temper

Tempering, if done in the ordinary forge of the country shop, requires practice for success.

First, have a clean fire of well-cooked coal, keep up a steady blast as if taking a welding heat, put the point of the lay in first, allow it to get nearly red hot, gradually move through the fire to the heel, and continue to pass it back and forward through the fire until there is an even heat from point to heel about an inch back from the edge.

When you have the proper heat, immerse the edge in water for an instant. Raise the edge or heel out first, allowing the point to remain a second longer, because it has more heat than the edge.

### Do Not Re-sharpen Before Using

Rock Island shares are made of genuine crucible or soft center steel. They are especially sharpened to a KNIFE EDGE and are highly tempered. They do not need re-sharpening before using.

### "Set" of Walking Plow Shares

The proper set of shares for ordinary soils is determined by placing a straight-edge across from heel of landside to heel of share. Straight-edge should have a bearing at heel of share from edge of share one-half inch or more wide. This will prevent winging down.

For use in hard ground, the edge at heel of share should be set down so that the straight-edge, when placed across, will touch at extreme edge of share only.

Plows that have worked satisfactorily in soft ground in the spring, when they come to be put in shape for fall plowing, will nearly always have to have the edge of share set down, otherwise they will incline to wing over on landside.

The point of share should always be set down. If worn blunt, the plow will incline to run on its point, more or less, according as the fault is aggravated.

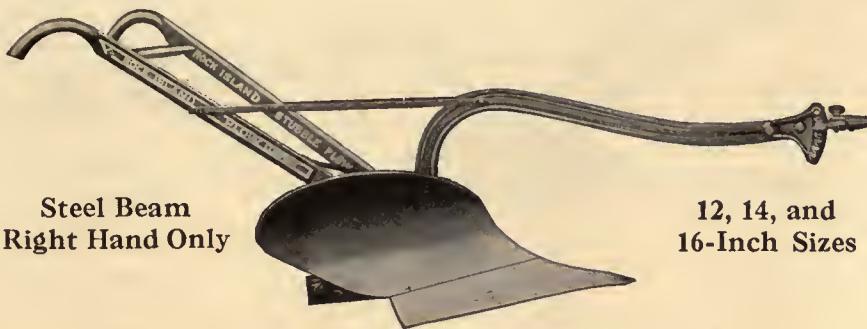
Large sized plows, especially when run shallow in soft ground, are very sensitive, and should have a wide bearing at heel of share.

When used in hard ground, care should be taken to set the edge of share down in order to make it penetrate.

So important is the right set of share to the proper running of a plow that the blacksmith who has sharpened and set the share is entitled to all the praise for its level running, or for all the blame for its winging or running on the point, and the manufacturer must in all such cases be held blameless.



## For Light, Loamy Old Ground or Stubble



### Rock Island Stubble Series Plows

ROCK ISLAND STUBBLE PLOWS are ideal for work in light, loamy old ground or stubble land. The moldboard is medium in size and stands fairly straight to the furrow slice. This insures perfect scouring. It has just the right turn or curve to invert the soil readily and completely cover trash.

The moldboard, share and landside are made of the best grade of steel, and the plow is nicely ground and polished. Special attention is given to sharpening and pointing the share.

The landside is medium high and equipped with our standard renewable heel.

#### Specifications:

Hardened soft center steel moldboard, share and landside.

Renewable chilled landside heel.

Medium high landside.

Steel beam.

Detachable handles.

Double shin.

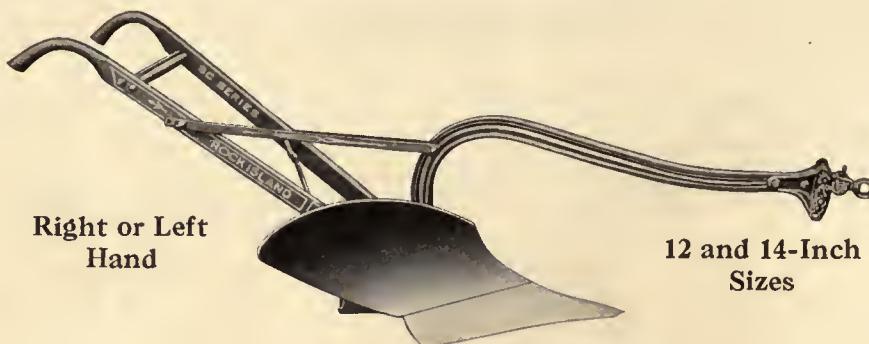
Without extra share.

NOTE: In ordering shares, always use number stamped on under side of share.

TRADE NUMBER	No. of Horses	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
X No. 3.....	2	12	X 3	94	Larin
X No. 1.....	2	14	X 1	102	Larum
AX No. 16.....	3	16	X 16	106	Larynx



## For General Purpose Plowing



### Rock Island "Scotch Clipper" Walking Plow

ROCK ISLAND SCOTCH CLIPPER is a general-purpose plow, having a long, easy moldboard and a very high landside, with chilled shoe. It is particularly popular in that part of the country where the soil is loose and sandy and plowing is fairly deep. Also, where the soil contains pebbles or cobblestones, or where there is a heavy growth of weeds.

It turns the soil nicely, leaving a clean furrow, and works equally as well in stubble ground, clover or timothy sod.

The moldboard is made of hardened soft center steel and can be furnished with our regular Rock Island bevel hardened soft center share or with a chilled edge cast share.

The landside is extra high, made of hard, natural temper, solid steel, and is fitted with a renewable chilled shoe, which extends its entire length.

The straight handles are interchangeable on this series.

#### Specifications:

Extra high, solid steel landside.

Hardened soft center steel moldboard.

Hardened soft center steel share or cast share.

Oak handles.

Special long handles can be furnished for right-hand plow for Michigan trade.

Double shin; cast slip shoe.

#### All Steel Equipment, Steel Beam Only

TRADE NUMBER	No. of Horses	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	TELEGRAPH CODE	
					Left	Right
SC 12.....	2	12	SC 12	109	Lien	Lifter
SC 14.....	2	14	SC 14	116	Life	Light

Jointer, extra.

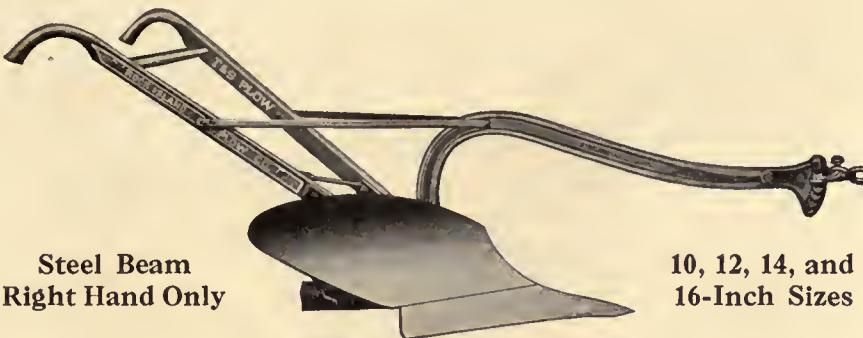
Gauge Wheel, extra.

#### Combination with Cast Share and Extra Cast Share, Steel Beam Only

TRADE NUMBER	No. of Horses	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	TELEGRAPH CODE	
					Left	Right
SC 12.....	2	12	SC 12	109	Likely	Lilied
SC 14.....	2	14	SC 14	116	Liking	Lilt



## For General-Purpose Plowing



### Rock Island Turf and Stubble Plows

ROCK ISLAND WALKING PLOWS of the Turf and Stubble series are "general-purpose" plows. They are in great demand in all parts of the country.

The moldboard is carefully proportioned. In old ground or stubble it inverts the furrow so that trash is thoroughly covered. As soon as cut loose, the furrow slice begins to turn, and is evenly distributed over the share and moldboard and discharged in a continuous stream; therefore friction is reduced and the draft minimized.

Hardened soft center steel throughout. Double shin, slip share, medium landside.

Crucible and cast shares can be furnished.

#### Specifications

Steel beam.

Hardened soft center steel moldboard, share and landside.

Reinforced points on share.

Removable chilled landside heel.

Double shin moldboards and medium landsides.

Detachable handles.

Without extra share.

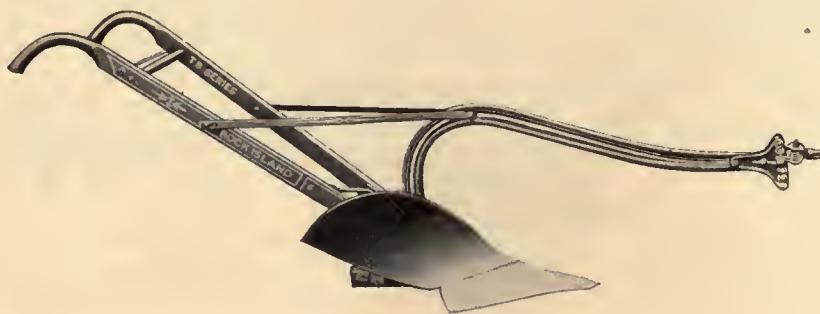
Crucible and cast shares can be furnished as extras.

#### Without Extra Share

TRADE NUMBER	No. of Horses	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
T and S 10.....	1	10	T&S 10	88	Labial
T and S 12.....	2	12	X 3	97	Lacing
T and S 14.....	2	14	T&S 14	108	Ladixy
T and S 16.....	3	16	T&S 16	113	Lady



## For Black or Waxy Land



### Rock Island T B Series Plow

ROCK ISLAND TB Series plows are used extensively and successfully in the black-land soils in the South. They are built especially for this, and have made an enviable reputation for excellent work.

These plows run steady and light and are easily handled. The beams are special steel, high, heavy, and stiff. Moldboard is hardened soft-center steel; solid steel slip share and extra share are furnished as regular equipment.

Cast shares can be furnished as extras for 9, 10, and 12-inch sizes.

#### Specifications

Hardened, soft center steel moldboard with chilled shoe.

Solid steel slip share and extra share.

Right hand only.

Cast Shares can be furnished as extras.

#### TB Series, Steel Beam

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
TB 7 . . . . .	7	TB 7	80	Lich
TB 8 . . . . .	8	TB 8	87	Lichen
TB 9 . . . . .	9	TB 9	90	Licit
TB 10 . . . . .	10	TB 10	92	Lick
TB 12 . . . . .	12	TB 12	105	Lid



## A General-Purpose Plow for Heavy, Stiff Work



### Rock Island "Challenge" Plow

ROCK ISLAND "CHALLENGE" PLOW is a general-purpose plow designed for heavy, stiff work. The moldboard is carefully proportioned. In old ground or stubble it completely inverts the furrow so that trash is covered; also does good work in sod. As soon as cut loose, the furrow slice begins to turn, and is evenly distributed over the share and moldboard and discharged in a continuous stream; therefore friction is reduced and draft is lightened materially.

Solid steel landside with chilled shoe; hardened soft-center steel moldboard, solid steel slip share. Cast shares can be furnished as extras. A brace extends from heel of landside to moldboard.

#### Specifications

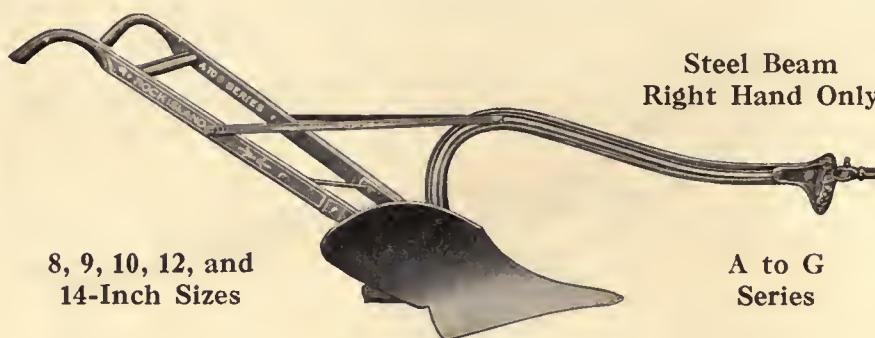
Hardened soft-center steel moldboard. Solid steel landside with chilled shoe.

Solid steel slip share; no extra share. Right hand only. Cast shares furnished as extras.

TRADE NUMBER	No. of Horses	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
IO 10A.....	2	10	T&S 10	94	Lemon
IO 12A.....	2	12	X 3	102	Lemur
IO 14A.....	2	14	T&S 14	114	Lender



## For Easy Scouring, Sandy, or Mixed Soils



### Rock Island Mixed Land Plow

THIS model is particularly designed for the South—a plow made for the easy scouring, sandy, or mixed soils of Texas and Oklahoma. The moldboard is a combination of a blackland and a general-purpose plow in shape, and turns the furrow nicely with the minimum of draft.

The moldboard is made of hardened soft center steel and the share and landside of natural tempered solid steel.

It has a wrought frog with welded landside bar, and in every way is substantially made. The landside is medium high and is fitted with

chilled renewable heel. Solid steel share and extra share regular.

#### Specifications

Hardened soft center steel moldboard.

Solid steel slip share and extra share.

Solid steel medium landside with chilled shoe.

Right hand only.

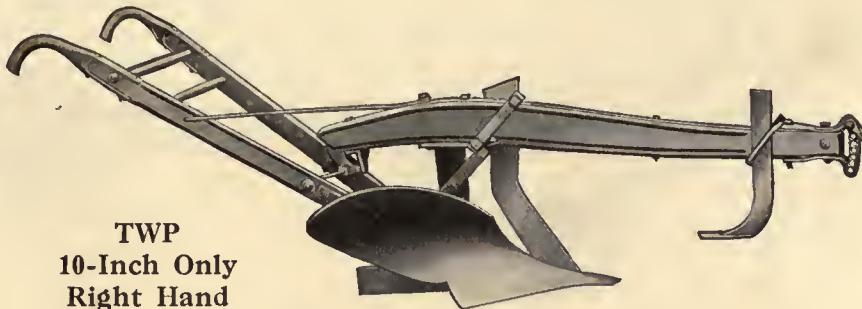
Steel beam.

### Solid Steel Share and Extra Share, Steel Beam

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
A 8 . . . . .	8	A 8	81	Levy
B 9 X . . . . .	9	TB 9	91	Lew
C 10 X . . . . .	10	TB 10	94	Lewis
E 1 X . . . . .	12	TB 12	102	Liage
F 1 X . . . . .	14	TB 14	108	Liar



## For Heavy Road Work, Brush, Etc.



### Rock Island Township or Road Plow

FOR heavy road work, brush, etc., the Rock Island Township or Road Plow is the plow designed to give the service. Contractors find it very suitable for their use.

The index beam is heavy and reinforced by iron straps on top and underneath. The handles have malleable iron grips with hand guard on landside handle.

Plow is equipped with adjustable gauge shoe and reversible Quincy cutter.

You will find that this model, like all Rock Island plows, gives unusual service and satisfaction.

Soft-center steel moldboard and crucible share.

#### Specifications

Hardened soft-center steel moldboard.

Heavy strap on top and underneath beam.

Extra strong handles.

Malleable hand grips and guards.

Adjustable gauge shoe.

Solid steel bar share.

Low landside.

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
10-inch .....	10	TWP10	140	Limber



## For Heavy Grading



10-Inch Only  
Right Hand  
No. 88

### Rock Island Railroad Plow

THE Rock Island Railroad Plow is built strong to withstand the severe strains encountered in railroad grading.

The plow is equipped with a solid steel moldboard, solid steel bar share, reinforced with steel plate at point of hardest wear, and a heavy capped standard. An extra, solid bar share is also furnished regularly with this plow.

The beam is extra long and made of heavy oak. Underneath the beam a heavy iron reinforcing strap extends from the clevis back to a point near the standard, where it divides and passes downward to each side of the standard, to which it is securely bolted. The standard, landside and beam are bolted firmly together.

Heavy strap iron along top of beam, reversible steel cutter, gauge shoe and iron handle grips and guard are additional features which make this an extra strong, good-working grading plow.

#### Specifications

Solid steel moldboard.

Heavy capped standard and iron landside bar.

Heavy iron straps underneath and on top of beam.

Reversible steel cutter and gauge shoe.

Handles, iron strapped.

Extra solid steel bar share.

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
88 . . . . .	10	88	245	Limbus



## For Vineyard Plowing



Adjustable Beam  
and Handles

9-Inch Cut

### Rock Island Vineyard Plows

AS THE name implies, the Rock Island Vineyard Plow is constructed especially to meet all the requirements of vineyard plowing. Of particular interest is the method of setting the beam into a swiveling device back of, and almost in a direct line with, the center of the moldboard. As a result, the beam can be swung either to the right or left, so the horse may walk either in the furrow or on the land. This permits plowing very close to bushes or vines without damaging them.

The plow balances perfectly and handles easily, because the beam is attached at the center instead of the landside of the plow. The handles can also be set to the right or left to clear obstructions and accommodate the driver to the position of the horse.

The beam is high carbon, special plow beam steel, and has a lateral adjustment of 19 inches at the end. The moldboard is hardened soft-

center steel and the share solid steel. Handles are made of bar steel, with a steel brace. They fasten to the standard by means of an adjustable attachment, permitting a swing of eighteen inches. Handle grips are malleable iron.

### Specifications

One horse.

Hardened soft-center steel moldboard.

Solid steel share.

Extra share.

Adjustable beam and handles.

Nine-inch cut.

Steel beam, right hand only.

Plain or slip nose cast shares can be furnished when desired.

We can also furnish a three-bottom Walking Vineyard Plow (see page 61).

### Rock Island Walking Vineyard Plow

TRADE NUMBER	No. of Horses	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
Vineyard.....	1	9	76	102	Liquor



## For Prairie Breaking



### Rock Island "Champion" Prairie Breaker

EQUIPPED with gauge wheel and rolling coulter, the Rock Island "Champion" Prairie Breaker is a most complete and satisfactory prairie plow.

The main point in a prairie breaker is to have it run steady and lay the sod flat without kinking, and this Rock Island Breakers do. Furthermore, they are light draft and easy to handle.

The oak beam is fitted with an adjustable index and is strengthened by a heavy iron strap, reaching from clevis to standard. Hard-

ened steel moldboard: solid steel slip share; caster coulter and gauge wheel: extra solid steel share; index wood beam; right hand only; 14-inch bottom.

#### Specifications

Hardened steel moldboard.

Solid steel slip share.

Caster coulter and gauge wheel.

Extra solid steel share.

Index wood beam.

Right hand only.

#### Champion Prairie Breaker—Wood Beam

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
14 inch .....	14	143	158	Limp



## SF Middle Breaker—Extra Strong



### Rock Island Black Land Middle Breaker

Rock Island Black Land Middle Breaker is made especially for black, waxy lands, but is also used in lighter soils.

The rudder, or shoe, has a broad base, which insures steady running. The rear end may be raised or lowered to give more or less penetration. The broad stinger is adjustable in the rudder.

On the 10- and 12-inch sizes we use the narrow nose share, which has a strong reinforced point. This type of share is generally used in the lighter soils, but can be used in the heavy

black land as well. On the 14- and 16-inch sizes we use the broad nose share with a strong, reinforced point. This type of share is popular in the heavy black land territory, and is particularly adapted to breaking out cotton rows under adverse conditions. The moldboards can be removed for breaking out cotton rows.

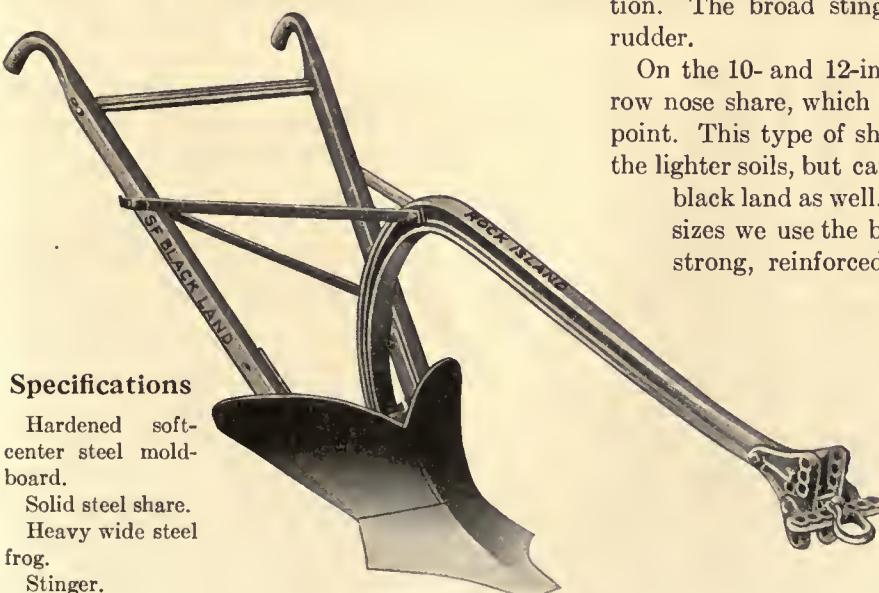
#### Specifications

Hardened soft-center steel mold-board.

Solid steel share.

Heavy wide steel frog.

Stinger.



### Black Land Middle Breaker

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
10-inch.....	10	BL 10A	93	Listilling
12-inch.....	12	BL 12	98	Liss
14-inch.....	14	BL 14A	100	List
16-inch.....	16	BL 16A	104	Listel



## For Breaking Ridges or Bedding Up for Cotton



### Rock Island Mixed Land Middle Breaker

ROCK ISLAND MIXED LAND MIDDLE BREAKER is designed especially for use in soils of a mixed composition, such as sand, clay or light loam. It is used for breaking ridges or for making beds for cotton and other row crops. The moldboards are shorter and narrower than other styles, handling the soil in such a manner as to leave a soft mulch in bottom of the furrow.

The double-beaded steel beam has a high arch, giving plenty of clearance for trash.

The share and moldboards are made of solid crucible steel. An extra share is furnished as regular equipment with each middle breaker.

The frog is malleable, with a cast shoe which takes the steel rudder, or stinger. The rudder, or stinger, is adjustable for depth.

The strong wood handles are well braced, adjustable for height and are fastened to the frog at the bottom, which permits the removal of the moldboards so that share can be used as sweep.

### Specifications

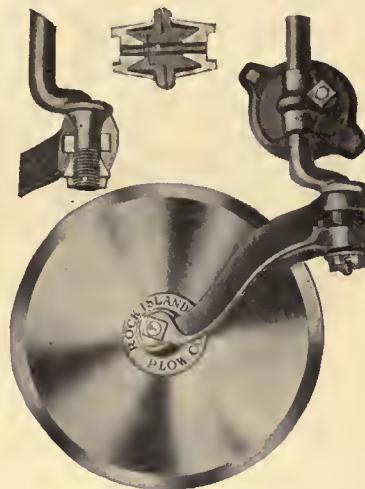
Solid steel moldboard.

Solid steel share with extra share.

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
8-inch . . . . .	8	116	75	Listab
10-inch . . . . .	10	117	79	Listac
12-inch . . . . .	12	118	85	Listaf
14-inch . . . . .	14	119	90	Listag



## Results in Better Plowing



### Rock Island Universal Coulter

ROCK ISLAND UNIVERSAL COULTER will fit right or left hand, wood or steel beam plows. It is possible to make any adjustments required—right, left, up or down—by loosening a single bolt and without disturbing the clamp bolts or altering the position of the coulter on the beam.

A cone bearing at the junction of the standard and the forks insures easy swing to the coulter and prevents undue wear or friction in service. If, at any time, from any cause, the bearing should become loose, it may be tightened by the adjusting nut at the bottom of the standard. This nut is securely locked on the standard by means of a cotter pin.

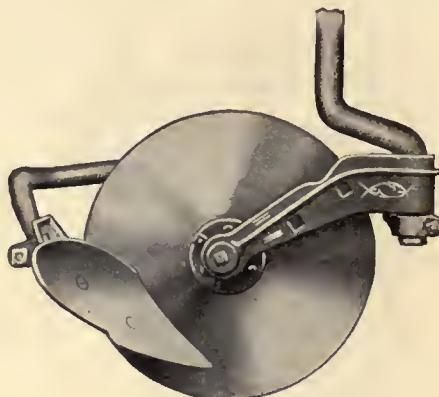
The coulter blade revolves upon a cone bearing screw hub. All bearings being fitted with cones, much friction and consequent wear is avoided. The coulter blade is forged from high carbon coulter steel, is finely finished and has a keen, sharp edge, ground to a bevel by special machinery. Parts are interchangeable and can always be procured without delay.

This coulter is made in one size, 13-inch. All wearing parts are chilled metal and are extremely durable.

Notice the ease with which adjustments can be made. By simply loosening one bolt, the standard may be raised or lowered, while a very small movement to right or left shifts the vertical position of the cutter.



## Insures a Neat, Clean Job of Plowing



### Rock Island Combination Jointer Coulter

THE use of the Rock Island Combination jointer and coulter assures a neat, clean job of plowing, for the coulter cuts the path for the plow share and insures a square furrow bank, while the jointer cuts all weeds and trash from the upper outside edge of the slice and throws it so that the trash is completely covered when the slice is turned over.

If desired, the jointer can be easily removed by simply loosening two bolts, thus leaving the standard rolling coulter.

The Rock Island Jointer Coulter has a bearing supported on both sides of the blade. This gives a steady smooth-running coulter. The dustproof, chilled cone bearings are the same that have been used in Rock Island Coulters for a great many years, and have always given the best of satisfaction. The jointer has a wide

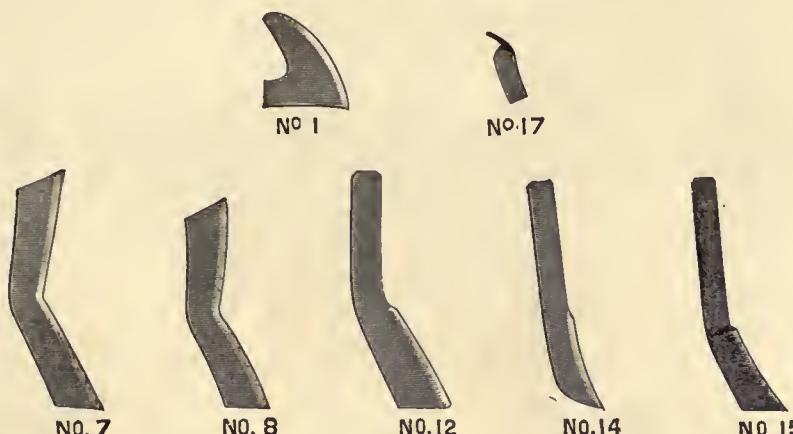
range of adjustment, both for angling the blade and for setting it forward and back as well as up and down, to meet the various plowing conditions.

The greatest possible amount of clearance has been given between the coulter yoke and the blade, thus reducing the chances of clogging in trashy ground. The jointer point can be set flush with the coulter and from that point back recedes away from the blade. This type of construction means that the jointer blade will not gather trash.

The Rock Island Combination Jointer Coulter is made in both right- and left-hand styles, and can be used with entire satisfaction on Rock Island sulkies and gangs. A heavier jointer coulter is made in right hand only for tractor plow use. This latter takes a  $1\frac{1}{2}$ -inch stem and the former a  $1\frac{1}{4}$ -inch.



## Rock Island Cutters



No. 1, Fin Cutter for ordinary plows.

No. 7, Quincy Cutter, Brush.

No. 8, Quincy Cutter for R. R. plows.

V-9948, Stinger, Mixed Land Middle-breaker.

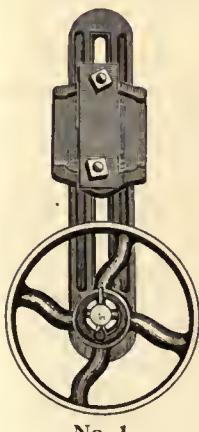
No. 12, Standing Cutter for R. R. plows.

No. 14, Hanging Cutter for ordinary plows.

No. 15, Standing Cutter for Prairie Breaker (straight).

No. 17, Lister Root Cutter (malleable frog).

V-10975, Stinger, SF Black Land Middle-breaker.



No. 1



No. 3

No. 4



No. 8



No. 6

No. 1, Gauge Wheel, plain, steel beam only.

No. 3, Gauge Wheel, Prairie Breaker.

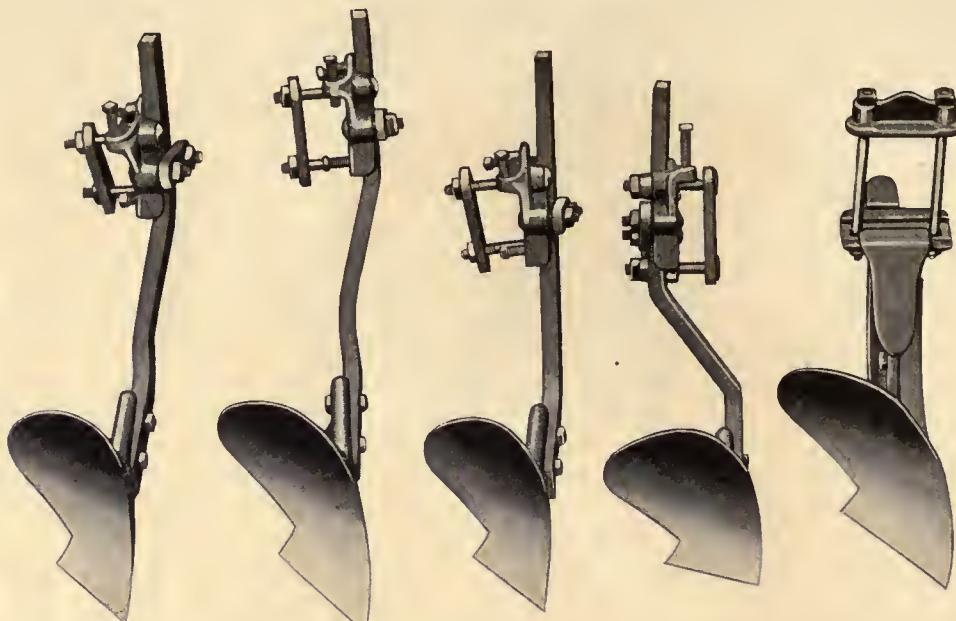
No. 4, Gauge Wheel, Brush Breaker, light.

No. 6, Gauge Shoe, Western Rod Breaker.

No. 8, Gauge Wheel, Blue Bird Rod Breaker.



## Rock Island Jointers



No. 12A

No. 16A

No. 2A

No. 6A

No. 9A

## Rock Island Jointers with Shank



No. 20A

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 1A Jointer, Steel, Steel Beam Walking Plow, L. H.....	20	Listen
No. 2A Jointer, Steel, Steel Beam Walking Plow, R. H., No. 9 Engine Plow.....	20	Litany
No. 3A Jointer, Chilled, Steel Beam Walking Plow, L. H.....	20	Lite
No. 4A Jointer, Chilled, Steel Beam Walking Plow, R. H., No. 9 Engine Plow—Gang.....	20	Liter
No. 5A Jointer, Steel, No. 8 Gang, Long Beam, L. H., No. 4 Sulky, L. H.; No. 1 Sulky, L. H.....	21	Lithe
No. 6A Jointer, Steel No. 8 Gang, Long Beam, R. H., No. 4 Sulky, R. H.; No. 1 Sulky, R. H.; No. 2 Sulky, R. H.....	21	Lithic
No. 7A Jointer, Chilled, No. 8 Gang, Long Beam, L. H., No. 4 Sulky, L. H.; No. 1 Sulky, L. H.....	21	Lithia
No. 8A Jointer, Chilled, No. 8 Gang, Long Beam, R. H., No. 4 Sulky, R. H.; No. 1 Sulky, R. H.; No. 2 Sulky, R. H.....	20	Litmus
No. 9A Jointer, Steel, Wood Beam Walking Plow, R. H.....	17	Litter
No. 10A Jointer, Chilled, Wood Beam Walking Plow, R. H.....	17	Little
No. 11A Jointer, Steel, No. 3 Sulky, L. H.....	20	Live
No. 12A Jointer, Steel, No. 3 Sulky, R. H.....	20	Lively
No. 13A Jointer, Chilled, No. 3 Sulky, L. H.....	20	Liver
No. 14A Jointer, Chilled, No. 3 Sulky, R. H.....	20	Livery
No. 15A Jointer, Steel, No. 8 Gang, Short Beam, L. H.....	20	Livid
No. 16A Jointer, Steel, No. 8 Gang, Short Beam, R. H., No. 11 and No. 12 Engine Plows.....	20	Lizard
No. 17A Jointer, Chilled, No. 8 Gang, Short Beam, L. H.....	20	Lima
No. 18A Jointer, Chilled, No. 8 Gang, Short Beam, R. H., No. 11 and No. 12 Engine Plows.....	20	Llama
No. 19A Jointer, Steel, No. 5 Two-Way Plow, L. H.....	20	Llaa
No. 20A Jointer, Steel, No. 5 Two-Way Plow, R. H.....	20	Llab
No. 21A Jointer, Chilled, No. 5 Two-Way Plow, L. H.....	20	Llac
No. 22A Jointer, Chilled, No. 5 Two-Way Plow, R. H.....	20	Llad



## The Famous Rock Island Plow Bottoms for Wheel Plows



Rock Island  
CTX  
Plow Bottom

### The Bottom with the "Auger-Like" Twist

THE bottom, more than any other part of the plow, determines the class of work the entire plowing outfit will accomplish. Particular attention should be called to, and much stress laid upon, the shape of Rock Island plow bottoms, their construction and the results they give.

### Rock Island Plow Bottoms

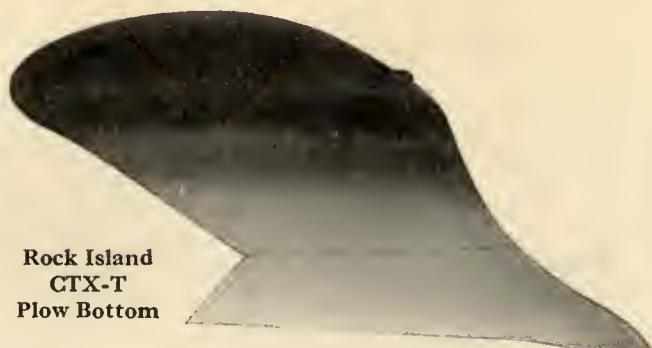
Rock Island Plow Bottoms for many years and by many farmers have been called "all-purpose" bottoms, because of the great variety of soils in which they work successfully. They materially differ in shape from any other plow bottom. The peculiar auger-like twist to the moldboard of the CTX bottom turns the furrow slice clear over, laying it perfectly flat on

the subsoil, at the same time pulverizing it so that it is smooth on top.

There are no air spaces between the plowed soil and subsoil—moisture from the subsoil easily reaches the roots of the growing crop. In long dry spells this frequently means saving the crop from drought. Another advantage is that the soil is so well pulverized at least one less harrowing is required.

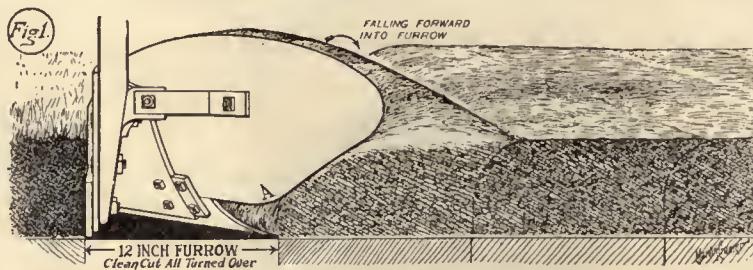
The ordinary moldboard is fuller at the center, while the Rock Island board is lower. The "Rock Island" does not carry the dirt up high and then throw or scatter it like other bottoms, but instead, its peculiar shape carries the slice farther back and rolls it completely over. It makes no difference whether you are plowing two inches deep or six inches—the same result is obtained.

Rock Island  
CTX-T  
Plow Bottom





## Eliminates Air Spaces



No Air Spaces in Rock Island Plowing

### Works in Great Variety of Soils

The "Rock Island" works successfully in a greater variety of soils than does any other plow bottom. We recommend the CTX for practically every soil except virgin prairie sod, and extra-hard scouring ground, for which we make the CTXT bottoms, and Texas soils for which we furnish the famous TBX bottom.

It is a recognized fact, fully borne out by our great agricultural experts, that one reason crops fail, or suffer during dry spells and dry seasons, is because of air-spaces left between the top soil and subsoil when plowing.

Air spaces act as non-conductors and prevent the moisture from coming up from below to feed the plant roots.

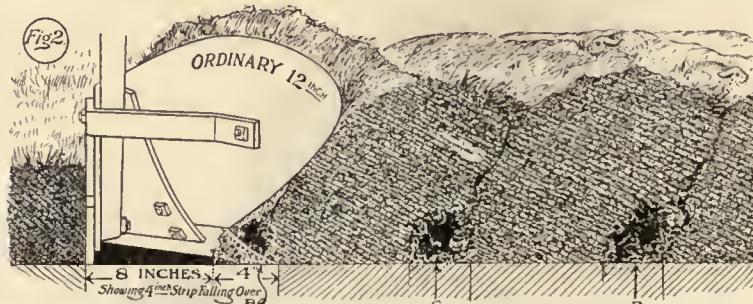
Every plowman knows how the ordinary shaped plows will allow a strip of about four or five inches to fall back in the furrow. The ground is pushed forward and bunched up, a portion falling back in the furrow, and the result is air spaces like those shown in the illustration. In this case the crop depends entirely upon moisture in the top soil, because air spaces prevent any moisture coming from

below, so that, in a dry spell, this top moisture is soon exhausted and the crop suffers.

In fall plowing, the plowed ground will lie for weeks and months in some sections under one to three feet of snow, and it will never settle down. Many times a man harrowing on fall plowing will feel himself sinking in here and there, and his team, too, showing how these destructive air spaces are left by fall plowing with common plows.

In many cases it will be noticed that corn stalks, stubble, and trash turned under a year or more are scarcely crushed. This shows that the furrow which covered them was not sufficiently connected with the subsoil to draw any moisture from below to cause them to rot.

Many farmers, realizing how destructive these air spaces are, have spent time, labor, and money in buying and using rollers, packers, disks, etc., in trying to press down, to bring these soils together, or cut out the spaces. You can prove to the farmer that most of this trouble, delay, work, and expense can be avoided by his using Rock Island Plows equipped with the famous Rock Island Plow Bottoms.



Note Air Spaces at B, C, and D



## Really Quick Detachable Shares



**A Push on the Lever Forces Share Off**

**Pull Lever Up to Replace Share**

### Rock Island Quick Detachable Share

No WRENCHES or special tools are needed, not even a hammer. All you have to do is to push down on the lever, adding more pressure or a quick push when the lever is about four-fifths of the way down. This completely releases the share and the new one can be put on immediately. The entire operation takes only a few seconds' time, and can be easily

made by any boy. Rock Island Quick Detachable Shares mean less labor and less trouble, less time consumed in removing and replacing shares. Rock Island Riding Plows, horse drawn, and Tractor Plows are regularly equipped with Quick Detachable Shares, a feature your customers will greatly appreciate.

For Better Plowing, Hitch To

No. 4  
**SULKY**



No. 8  
**GANG**



Equipped with the Famous Rock Island Plow Bottoms

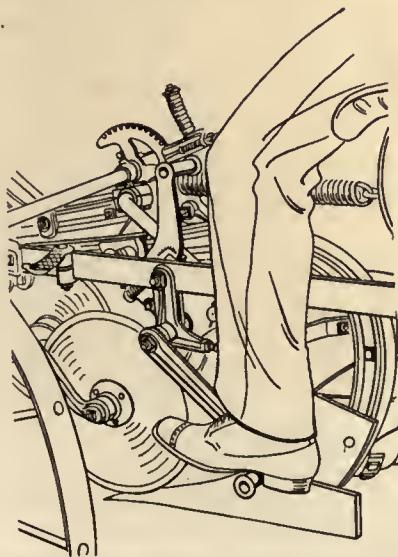


## The High Lift Gang Plow with Easy Foot Lift



### Rock Island No. 8 Gang Plow with Quick Detachable Shares

THIS is the Rock Island Plow Company's best and most popular high lift, horse-drawn gang plow. Equipped with Rock Island bottoms it has proved to be a real "all-purpose" plow because of the good work it does, the ease of operation, lightness of draft, and strength to stand the strain year after year.



Note Position of Foot Lift When Plow is Raised

#### Our Famous Foot Lift

Put your left foot on the foot lift and step right up and sit down. Then put your right foot on the upper treadle and push forward easily. You will see that the bottoms drop downward until the two bail stops on the front bail rest on top of the frame. This naturally causes the down suck of the plow to load itself onto the land and front furrow wheels.

Usually most of the draft, that is, the weight of the dirt and the bottom, the power necessary to cut and turn the furrow slice, and also the weight of the driver is to the rear of the plow. We distribute the load on all the wheels, making a very steady running plow. It will stay in the ground perfectly and hold right to the work without the weight of the driver.

The Rock Island foot lift has a double compound lever. Mark a line from the center of the rear lift treadle straight to the ground when the plow is in the ground and you will notice when you break the lock that the rear pedal goes backward. This gets it closer to you. It is almost a straight down pressure when raising plow. It moves back closer to the seat as you press farther down.



## ROCK ISLAND No. 8 GANG PLOW—Continued

A boy with his own weight can raise the plow out of the ground very nicely, and there's no danger of being thrown off or carried over the front onto the wheels. The foot pedals are adjustable to accommodate the reach of operator.

It is a compound lever—you do not have to raise your knee up under your chin to handle it. Our foot lift is underneath the frame—the pivot is below. A short travel of the foot raises the plow easily. Notice the position of foot lift. It is between the two bottoms—right in center of load.

### Very Important Feature

Here's an important point. Look at Fig. 1. Take a ruler and stand it in line to the front axle bearing, dropping to the floor. Note that the direct pressure of the weight of the plow strikes the front furrow wheel on the outside of the bottom of the wheel. This forces the wheel out at the top and in at the bottom, which is right.

On other plows you will find the front axle post is about as shown by the dotted line. Set

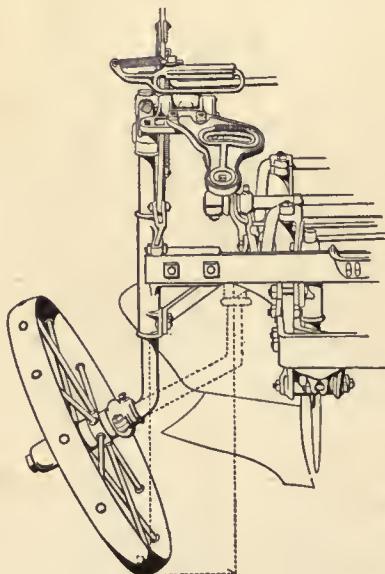
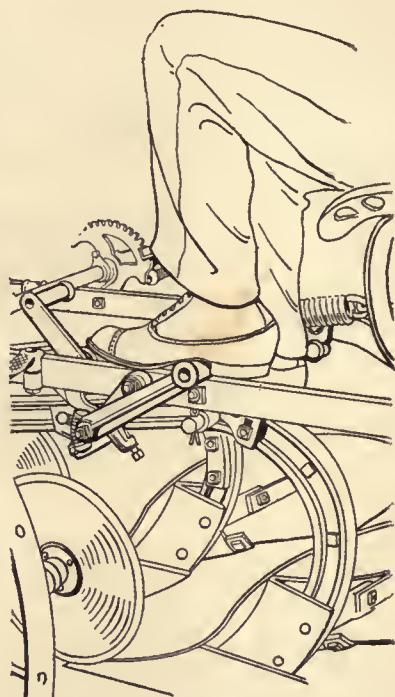


Fig. 1



Note Position of Foot Lift when Plow is Lowered

a straight edge in the corner of the frame and you have a straight down pressure. It will be from two and one-half to nearly seven inches on the inside of the front furrow wheel—the wheel gets out from under the load. This causes excessive wear on wheel box.

With the Rock Island construction a large amount of this trouble is eliminated.

Take the other side of the plow. Look at Fig. 2, and see how we run the main axle from the land wheel up, then over and across the frame, putting the land lever on the right side. This braces the frame and supports the down pull of the plow on the axle. On plows where the axle is sawed off short and is simply bolted to the left side of the frame, the down draft of the plow causes these bolts to give, or the frame to swing or twist. It is bound to do it, and when it does the large land wheel will spread out at the bottom.



## ROCK ISLAND No. 8 GANG PLOW—Continued

We put both levers on the right side. This gets the land lever out of the way. No lever on the left side makes it easier to get on or off.

### Perfect Steering Rod

The steering rod permits adjusting the rear wheel so as to carry the pressure of the moldboard to the right, relieving the landside of all pressure. At the same time the rear wheel is controlled by the horses.

We placed this rod within one and one-half inches of the straight line of the front furrow axle. The pressure of the dirt against the moldboard, unless checked, will turn the rear wheel around. It would be just the same as if you put your foot on the rear wheel and gave it a shove.

Take hold of the tongue on the Rock Island and have someone give the rear wheel a good strong push on the front edge. You will see it makes no difference how much you push, it hardly affects the tongue plate—a great advantage where you have a team that isn't steady—lessens the danger of uneven furrows, for the irregular movement of the team doesn't affect the rear wheel.

### Short Bails and Hangers

Short bails and short hangers put the strain on the frame directly in the center. The side pressure of the dirt against the moldboard is thrown square onto the center of the frame.

The rear wheel casting is bolted to the frame with two heavy bolts, through slotted holes in the casting. You can move the rear furrow wheel to the left so as to prevent friction on the landside, and do it without dropping the rear of the frame or the heel of the plow. You don't change the suck of the plow in any way.

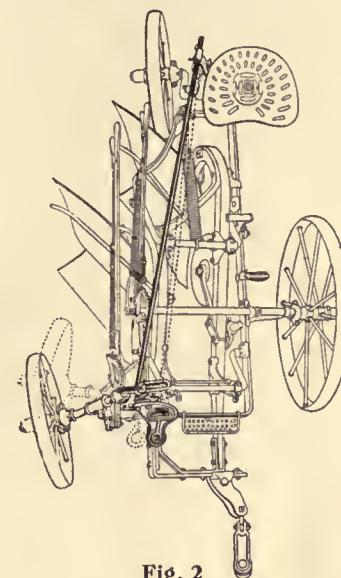


Fig. 2

The heavy, one-piece frame does not open at the rear, but in front, where there is the least strain.

Another point—the two ends are not separated by an axle bracket but are bolted together. It makes the strongest frame possible.

Special consideration has been given to the hitch or evener. In order to give the horses plenty of spread behind, we use a 28-inch single-tree on the two inside horses and 32-inch on the two outside.

The land wheel is 36 inches and the front and rear furrow wheels are 24 inches. The large wheels insure light draft and keep wheels free from trash. Each wheel is equipped with a dust-proof axle. Unscrew the large nut on the end of the wheel hub, fill it with hard oil and it forces the grease the entire length of the hub.



Rock Island Quick Detachable Share

Each Axle is Provided with Pin  
and Washer on End to  
Eliminate Wear on Sand Caps

**ROCK ISLAND No. 8 GANG PLOW—Continued**

Bear in mind that this plow has a long wheel base, yet a **SHORT HITCH**. The long wheel base steadies the plow and holds it to its work. It also makes it possible to sit well back over the rear wheel so that you can see the work that is being done.

**The Bottoms with the  
“Auger-like” Twist**

Rock Island Plow Bottoms have a peculiar auger-like twist to the moldboard which turns all of the furrow slice clear over, laying the slice flat on the subsoil and pulverizing it at the same time so it is smooth on top. In this way the dangerous air spaces so common in plowing are practically eliminated, and in a

long dry spell the water can come up from the subsoil and save the crops from drought. It pulverizes so well that at least one less harrowing is required.

The moldboard carries the slice far back and rolls it completely over. It makes no difference whether you are plowing two inches deep or six inches, the same results are obtained.

The “CTX” is a real all-purpose bottom, one bottom for many soils. It turns under corn stalks or stubble, leaving the field clean and smooth.

For use in extra hard scouring ground we can furnish the CTXT bottom, and for Texas soils the famous Rock Island TBX bottom.

**Specifications**

High lift.

36-inch land wheel.

Caster coulters.

24-inch furrow wheels.

Dust-proof wheel boxes.

4-horse abreast steel equalizer.

Pin and washer in ends of axles.

Hardened soft-center steel moldboards.

Soft-center steel quick detachable shares.

**CTX Series**

TRADE NUMBER	Width of Cut Inches	Takes Share No. Right	Shipping Weight Pounds	Telegraph Code Right
CTX 10.....	20	64	760	Laddex
CTX 12.....	24	266	779	Ladder
CTX 14.....	28	268	789	Lading
CTX T-12.....	24	222	779	Lace
CTX T-14.....	28	227	789	Lack

**Breaker Series (Crucible Share)**

12-inch.....	24	157	735	Lame
14-inch.....	28	143	749	Lamia

Five-horse and 6-horse combination eveners extra.

**Rock Island No. 8 Foot-Lift Gang with Extra Heavy Beams “CTX” Series**

CTX 12, 4-horse evener, No. 105A.....	24	266	801	Land
CTX 14, 4-horse evener, No. 105A.....	28	268	822	Lanier
CTX 14, 4-horse evener, No. 127.....	28	268	814	Lanipo
CTX 14, 5-horse evener, No. 126.....	28	268	860	Lanipos
CTX 14, 6-horse evener, No. 125.....	28	268	877	Lanipost
CTX T-12.....	24	222	801	Lampad
CTX T-14.....	28	227	822	Lance

**Texas Series (Crucible Share)**

TBX 12.....	24	222	800	Lackaday
TBX 14.....	28	227	810	Lackadaisy

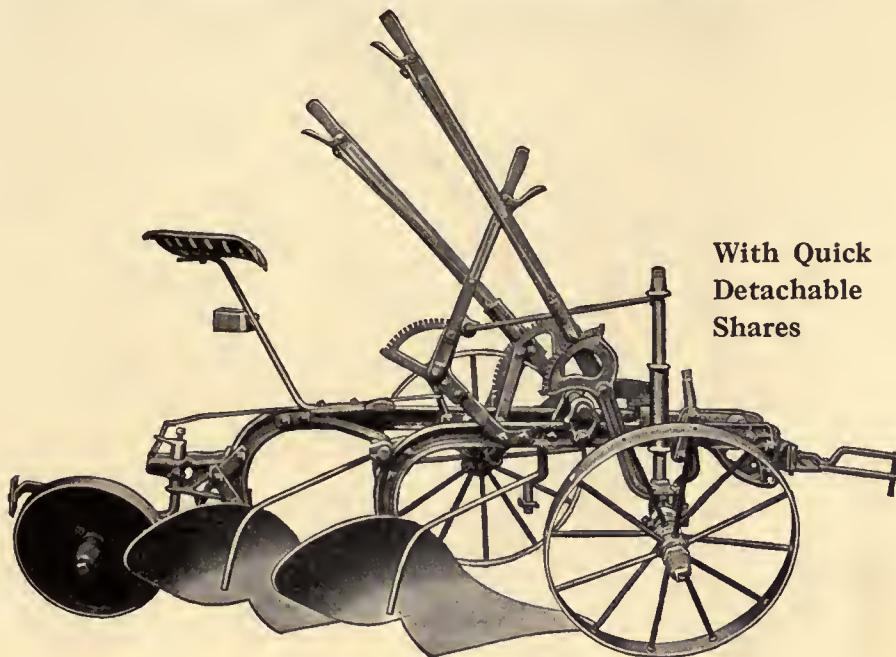
**Breaker Series (Crucible Share)**

12-inch.....	24	157	810	Lare
14-inch.....	28	143	825	Lark

Extra solid steel shares or cast shares can be furnished for these plows when desired.



## A Strong Frameless Gang Plow



With Quick  
Detachable  
Shares

### Rock Island No. 6 Gang Plow

THE Rock Island No. 6 is a frameless, well built gang plow. It gives unusual freedom of movement to the team and is easily turned at ends of field. While simple in construction, it is strong.

#### Expanding Device

The strong braces extending between the beams hold the plow rigid. These can be set to reduce width of cut where ground is hard or where it is desired to plow deeper without increasing the draft. A total adjustment of six inches is possible, using the regular bottoms, or smaller bottoms can be furnished.

#### Landing Device

The landing feature of this plow is especially efficient. The front furrow wheel is controlled by a lever within easy reach of the operator, which makes it possible to vary the cut as desired while the team is in motion. The lifting and leveling levers are easily handled from the seat and give perfect control of the plow at all times.

#### Rear Wheel Lock

The rear wheel is locked in position and is placed to carry the landside pressure, but when turning, can instantly be released by a foot trip within easy reach of the operator. A hook is furnished to lock the wheel solid and to act as a brake to keep the plow off the team while transporting. The solid pressed steel rear furrow wheel is an advantage in trashy ground.

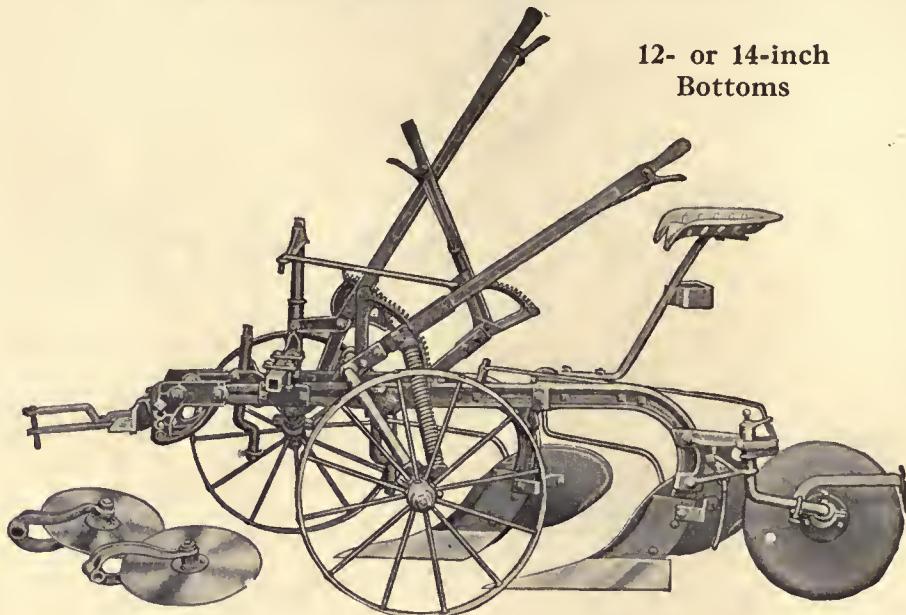
All wheels are provided with dust-proof boxes and the plows are equipped with Rock Island standard plow bottoms and caster rolling coulters.

#### Equipped with the Famous Rock Island Plow Bottoms with Quick Detachable Share

Rock Island CTX Plow Bottoms have a peculiar auger-like twist to the moldboard which turns all of the furrow slice clear over, laying the slice absolutely flat on the subsoil and pulverizing it at the same time so it is smooth on top.



## Easily Operated—Gives Unusual Freedom of Movement to the Team



### Rock Island No. 6 Gang Plow

In this way dangerous air spaces so common in plowing are eliminated, and in a long dry spell the water can come up from the sub-soil and save the crops from drought. It pulverizes so well that at least one less harrowing is required.

The moldboard carries the slice far back and rolls it completely over. It makes no difference whether you are plowing two inches deep or six inches, the same results are obtained.

The "CTX" is a really all-purpose bottom, one bottom for many soils. It turns under corn stalks or stubble, leaving the field clean and smooth. For use in extra hard scouring ground we can furnish CTX-T bottoms and for Texas

soils the famous Rock Island TBX bottom. The Rock Island No. 6 Gang is equipped with really quick detachable shares, not even a wrench required—merely push down the lever to release the share.

### Specifications

26-inch land wheel.

26-inch front furrow wheel.

18-inch rear furrow wheel.

Four-horse abreast steel equalizer.

Caster coulters.

Hardened soft-center moldboards and shares.

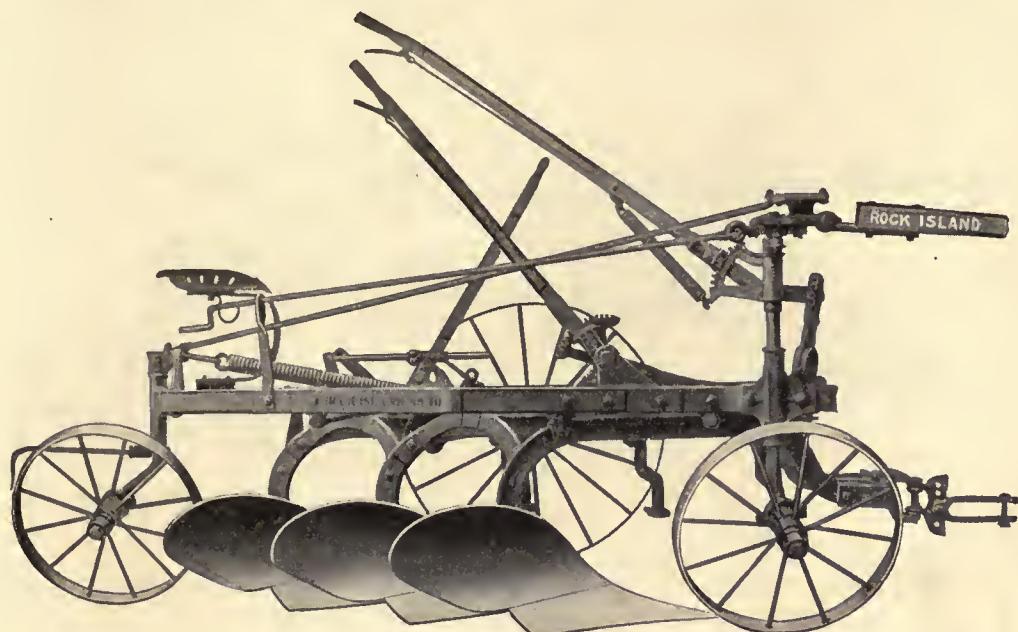
Extra solid steel and cast shares can be furnished when desired.

### "CTX" Series

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
CTX 12.....	24	266	653	Ladek
CTX 14.....	28	268	661	Ladez
CTX T-12.....	24	222	653	Laconic
CTX T-14.....	28	227	661	Lacquer



## A Light Draft Three-Bottom Plow



### Rock Island No. 10 Triple Gang Plow

THE Rock Island No. 10 Triple Gang has been especially designed with the idea of getting an immense amount of plowing done with the least amount of work on the part of the driver and the lightest draft on the horses. The frame, beams, axles, and bails are made of high carbon steel, sufficiently large to give ample strength and rigidity. All castings subjected to severe strain are made of malleable iron.

#### Light Draft

The draft is light for a plow of such size and weight. This is due to the unusual height and correct position of the wheels, the long distance hubs and the wonderful working quality of the bottoms. These features make this plow with three 14-inch bottoms a much lighter load for the horses than an ordinary two-plow gang is for four horses.

Ample adjustment is provided in the clevis for use under varying conditions. The evener clevis plays up and down as well as from side to side, so that the front of the plow is never raised when starting up hill.

The parallel rod control is designed especially for strung-out hitch. The pivot point being located directly over the front furrow axle makes it impossible for the swing of the team to affect the line of draft of the furrow wheel.

The throat has ample clearance.

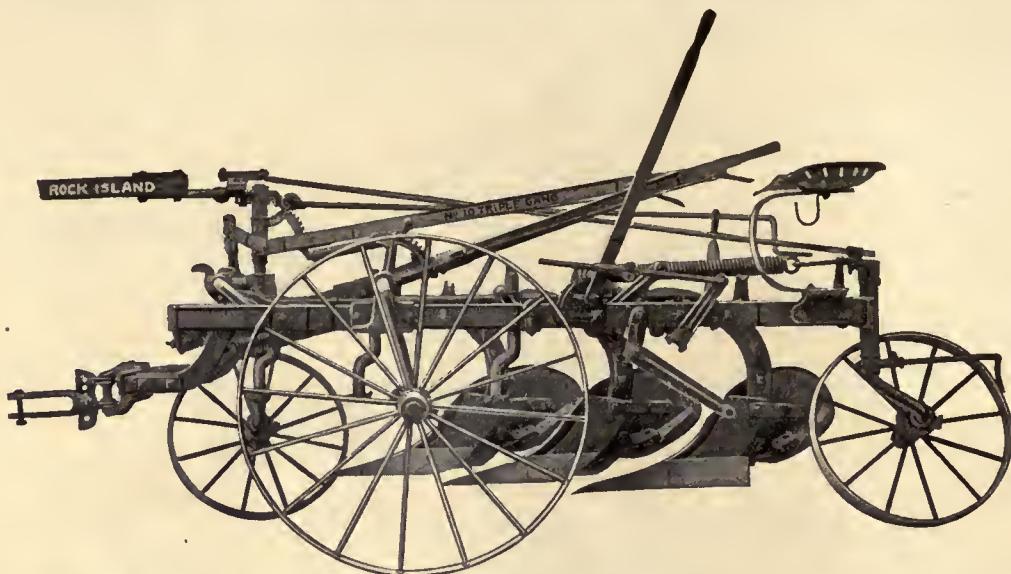
The beams and bracings are extra strong. The bracing is channeled into the web of the beam, giving a very rigid construction.

#### Easy Lift

The lift is high and easy, having both a foot lift and an auxiliary hand lever. The foot lever is attached below the frame, giving room enough to slant the lever upward so the plow can be raised to locking point before the lever gets down to dead center. This lever can be adjusted to suit the reach of the operator. It is located at just the right place to lift the load to the best advantage, and is assisted by a powerful lifting spring. All three hand levers are within easy reach, the levers for front and land axles being on the furrow side of the plow.



## ROCK ISLAND NO. 10 TRIPLE GANG PLOW—Continued



Landside View Rock Island No. 10 Triple Gang Plow Equipped with the Famous Rock Island CTX Plow Bottoms with Quick Detachable Shares

You will notice the position of the foot lift is correct. The foot lift is located central between the three plow bottoms—central with the load. That is the reason the foot lift operates so easily. The load is carried on the wheels because the beams are locked to the frame, thus insuring an even cut and light draft.

### Front Furrow Wheel Control

A very unique screw control is provided for the front furrow wheel. The control crank is located conveniently—to the right of the operator—and acts instantly. The furrow wheel can be made to make the plow take more or less land quickly. This is an advantage in handling the strung-out team which is used on this plow, and also on a side hill the plow can be held to cut full width. This furrow wheel control in no way affects the turning and is much more satisfactory than the ordinary control where the operator has to reach for a lever and is liable to be thrown off the plow.

The construction of this front furrow wheel is such that a vertical line of the axle strikes the outside edge of the tire, thereby relieving the strain on the axle and also relieving the wear on the wheel boxes. Pin and washers are provided on the ends of all axles, thus removing the wear on the sand caps.

The landing adjustment for the rear furrow wheel slides horizontally on the frame instead of being pivoted to the frame. Therefore the rear furrow wheel can be landed correctly without affecting the suck of the plow.

The land wheel has a cushion spring—rough ground does not affect the depth of plowing.

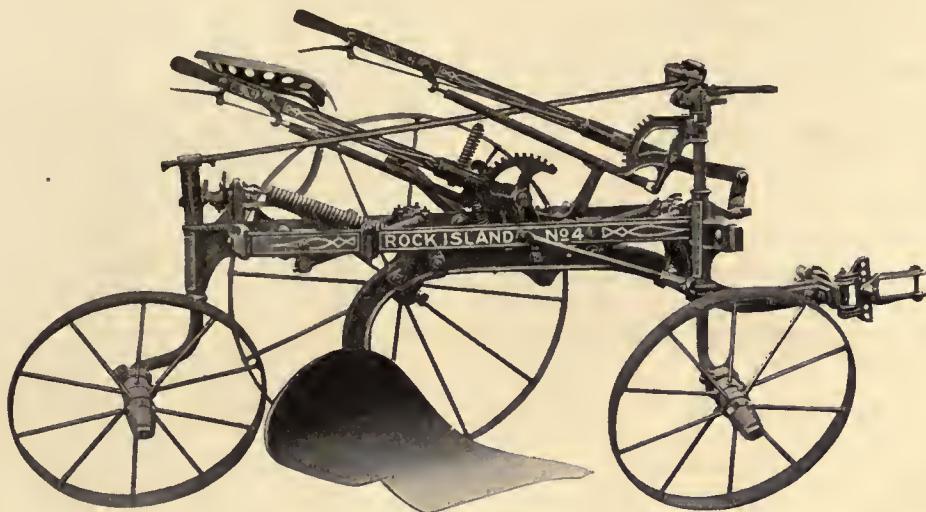
### Specifications

Equipped with "CTX" or "CTX-T" bottoms.  
Right hand only.  
Soft-center quick detachable shares.  
Seven-horse equalizer and tongue.  
Caster coulter with  $1\frac{1}{2}$ " stems.

TRADE NUMBER	Width of Cut in Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
CTX 14.....	42	268	1341	Triple
CTX T-14.....	42	227	1341	Triplet



## High-Lift Sulky Plow



### Rock Island No. 4 Sulky Plow

IN THE Sulky Plow class, the Rock Island No. 4 is one of the "best sellers," for it is without a doubt as substantial and as service-giving a plow as anyone could desire. It is constructed along the same general lines as the Rock Island No. 8 Gang Plow. It has the same beam, short frame, sliding adjustment of furrow wheels, pole adjustment, clevis, foot lift, steering rod and the famous Rock Island bottoms.

#### Strong Frame Construction

A single bar of steel forms the heavy frame, the two ends being brought together and firmly

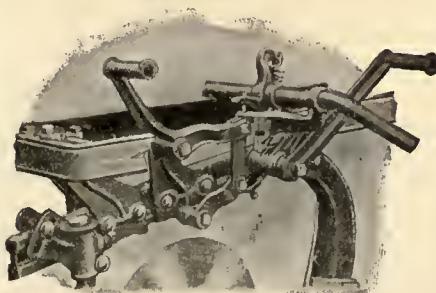
bolted, instead of being separated by an axle bracket. This method carries the front furrow wheel at a proper distance from the frame, permitting ample lateral adjustment without sliding the wheel up and down an inclined spindle.

The frame is opened only at one end—the front—where there is the least pressure. This construction makes the stoutest frame built.

With the exceptionally long wheel base, the No. 4 Sulky is steadied and held to its work. This also allows the seat to be placed well back over the rear wheel so the driver can watch the bottom work without having to twist around and look backward.

Particular attention has been given to the hitch and eveners, so that the horses may have plenty of spread behind. We equip the No. 4 Sulky with three-horse steel eveners.

Both levers are on the moldboard side—they are out of the way. Nothing to climb over or catch on in getting on and off.



FOOT-LIFT—PLOW DOWN  
Foot treadle is in just the right position for the driver's foot



## ROCK ISLAND No. 4 SULKY PLOW—Continued

### Easy Foot Lift

The No. 4 Sulky has a very desirable foot lift with special features not found on any other sulky plow. It is attached below the frame and directly above the plow bottom, so it has a straight up lift.

It's a compound lever—you don't have to raise your knee up under your chin to handle it. A boy can raise the plow out of the ground without his getting away from the seat. There is no danger of his being thrown off or under the wheels.

### Light Draft

Another feature of the Rock Island No. 4 Sulky that is very desirable is the steering rod. The furrow wheels are connected by the steering rod (which is controlled by the pole) in such a manner as to cause both furrow wheels to caster perfectly in rounding corners.

We have worked out the position of the front furrow wheel with such exactness that the direct pressure of the weight of the plow strikes on the outside of the bottom, exactly where it should be.

You can work this out for yourself by standing a ruler in line from the front axle post bolt and dropping it to the floor. Then try it on



Rock Island No. 4 Sulky Plow in field near Geneseo, Ill.

any other plow and you will find the front axle post will be from  $2\frac{1}{2}$  to 7 inches inside the front furrow wheel. See how the wheel gets from under the heavy load.

### Specifications

Caster coulter.  
Dust-proof boxes.  
36-inch land wheel.  
24-inch furrow wheels.

3-horse steel equalizer and tongue.  
Hardened soft-center steel moldboard.  
Soft-center quick detachable share.  
Right hand only.

### “CTX” Series

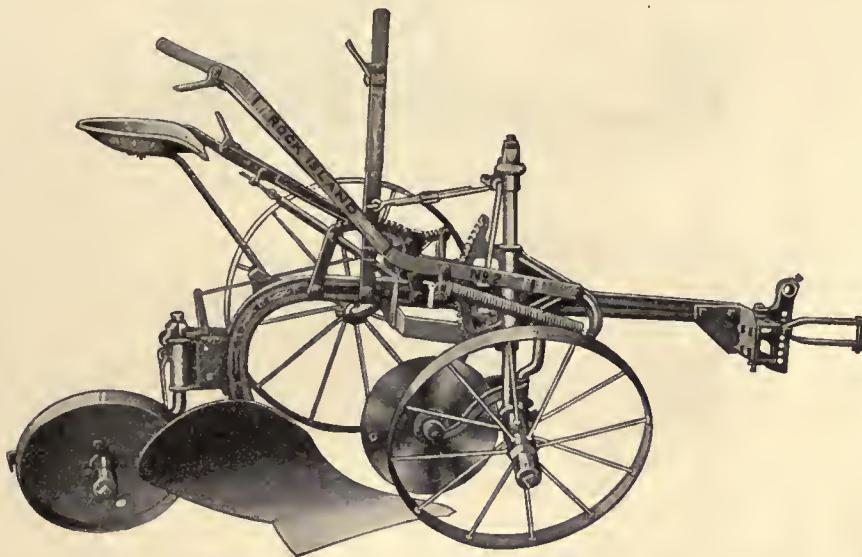
TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
CTX 14 . . . . .	14	268	499	Lampic
CTX 16 . . . . .	16	270	502	Lancerx
CTX T-14 . . . . .	14	227	499	Laddon
CTX T-16 . . . . .	16	228	502	Lanley

Solid steel shares or cast shares can be furnished for these plows when desired.

Four-horse or five-horse tandem equalizer or four-horse combination evener can be furnished.



## A Frameless Low-Lift Sulky Plow



### Rock Island No. 2 Sulky Plow

Its simple, frameless construction, extra strength, and special features make the Rock Island No. 2 Sulky especially suitable for good work in difficult plowing conditions.

#### Convenient Landing Device

The shifting lever controls the front furrow wheel in such a manner that the width of cut can be instantly regulated without changing the relative position of the horses to the furrow or disturbing the land wheel of the plow. A solid round steel axle passes through a long sleeve, giving the furrow wheel a caster action. On top of this is an arm connected to the shifting lever by a rod.

The shifting lever is directly in front of the operator, the other two levers being conveniently located. The plow can be given more or less land without causing side draft. It makes no difference how crooked the furrow or how sharp the curves, full width can be cut at all

times without crowding the furrow horse or pulling him out of the furrow.

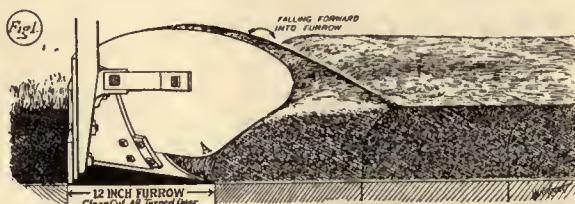
#### Strong and Rigid Construction

The beam and axle are solidly bolted together, forming a rigid connection between the plow and the carriage. No amount of pressure on the moldboard can cause the plow bottom to wobble. When plowing, the axle of the rear wheel is locked, preventing the wheel from castering, and thus holding the plow rigid. In turning, the rear wheel is unlocked by a convenient foot trip, so that it casters freely on the turn. You are always sure of steady running and keeping the weight of the plow on the wheels. A solid pressed steel rear furrow wheel is furnished. Also a pole attachment can be furnished as an extra. Pin and washer in each axle relieves wear on the sand caps.

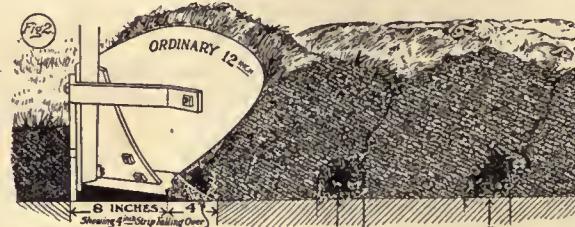
Clevis is steel, except vertical adjustment which is malleable.



## ROCK ISLAND No. 2 SULKY PLOW—Continued



No Air Spaces in Rock Island Plowing



Note Air Spaces at B, C and D

## Quick Detachable Shares

The Rock Island No. 2 Sulky is equipped with the famous CTX or CTXT bottoms, which will meet every requirement.

Still another advantage is Rock Island Quick Detachable Shares—no hammers or wrenches needed—just push down the hand lever to release the share.

## Specifications

Caster coulter.

Three-horse steel equalizer without tongue. Soft-center, quick detachable share.

Solid steel shares or cast shares can be furnished for these plows when desired. Four-horse combination or four- or five-horse tandem hitch, extra. Also pole and neckyoke attachments.

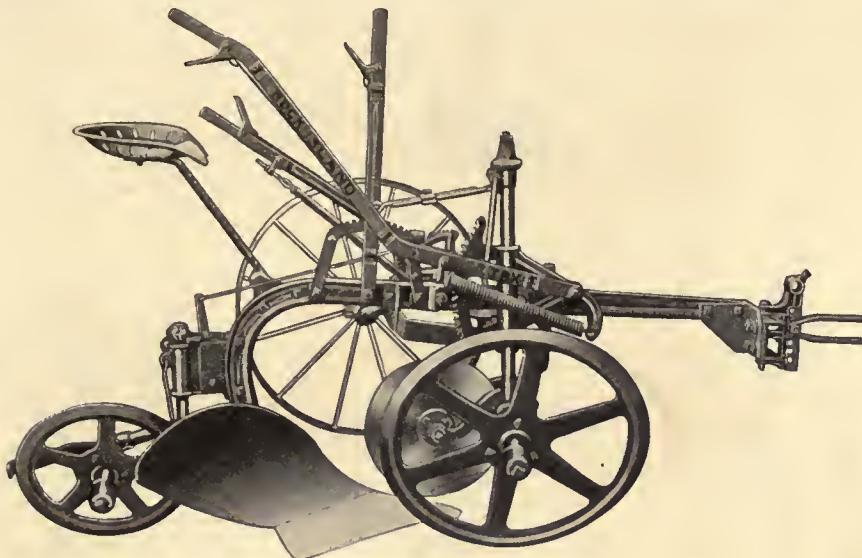
TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
CTX 12.....	12	266	461	Lambent
CTX 14.....	14	268	472	Lampie
CTX 16.....	16	270	479	Lancer
CTX 18.....	18	272	483	Lambick
CTX T-12.....	12	222	461	Lanet
CTX T-14.....	14	227	472	Lappul
CTX T-16.....	16	228	479	Lappox

## Breaker Series

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
12-inch.....	12	157 S	461	Lay
14-inch.....	14	143 S	472	Layx
16-inch.....	16	144 S	479	Laze



## Especially Adapted to Southern Soil Conditions



### The Rock Island No. 2 TBX Sulky Plow

THE Rock Island No. 2 TBX is one of the best known, most satisfactory sulky plows for use in the South. In black, waxy land, sandy loam or light sandy land—anywhere a sulky plow can work—the No. 2 TBX will do extra good plowing.

The Rock Island TBX moldboard is shaped so that the pressure is uniform from the share to the final turn of the moldboard. The bottom scours where other plows fail to scour, and is constructed so that under severe conditions the bottom will clear itself.

Perfect plowing may be done two to practically ten inches deep. With this plow the first furrow can be made six inches deep. With middlebreaker or sweep you can get down under the stalks and turn them out and under, making a perfect bed.

#### Wide Range of Adjustment

A wide range of adjustment for the front furrow lever makes possible this extra range of penetration.

The landing lever is adjustable to the proper position for easy control whether plow is being

used with regular bottoms, with middlebreaker bottom, or sweep.

Foot trip releases rear furrow wheel and the plow may safely be turned to right or left, while in or out of the ground.

Beam is fastened to cross frame between two angle steel brackets, lagged on each side so that beam is always held square with the frame—all bolts used are large and lock washered so nuts will not work loose.

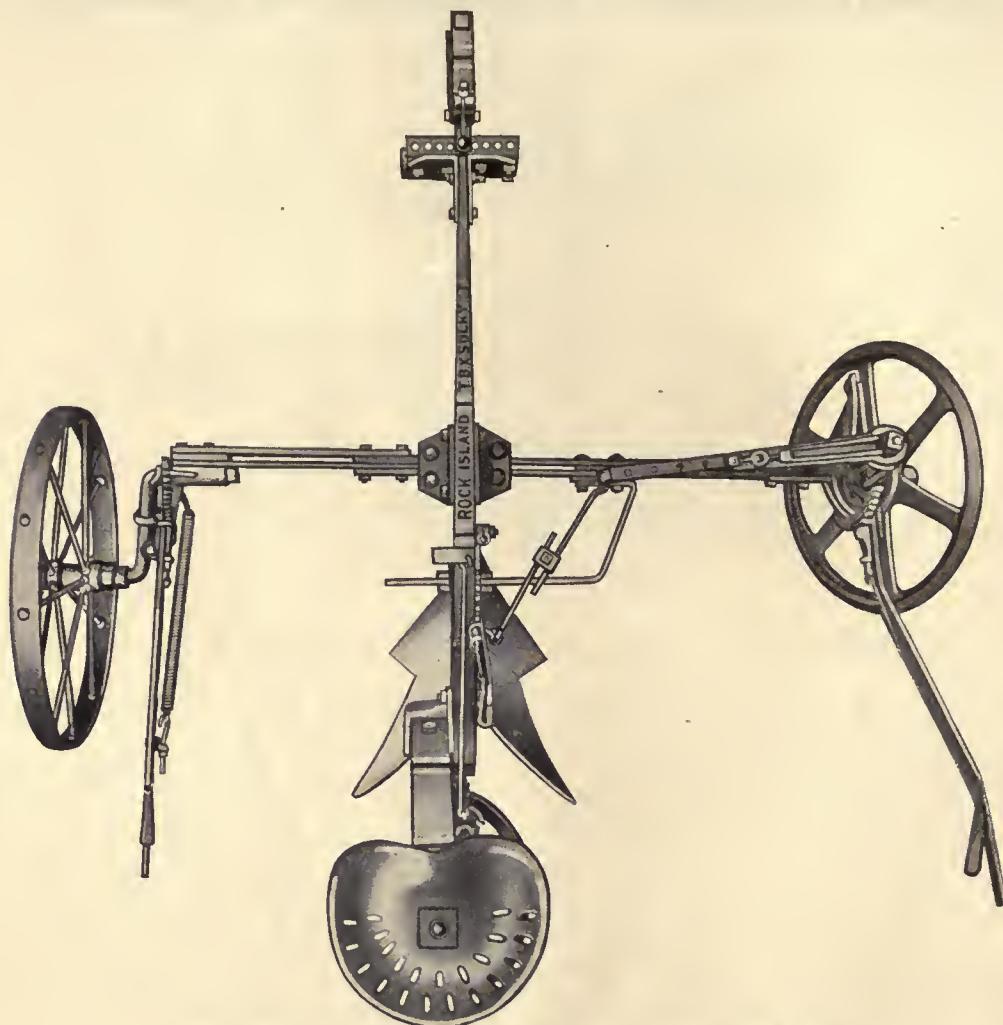
The furrow axle is substantially braced to the beam at a point where most plows are weak. This brace also locates the beam in relation to front furrow wheel so that correct width of cut is maintained.

Cast "V"-type furrow wheels are furnished in place of the steel wheels when ordered. These wheels are used in the black land belt. They clear themselves and do not clog up.

The beam is adjustable on the frame for different widths of bottoms, also for middlebreaker bottom or sweep. The extra wide frame permits setting the wheel width to conform to the cotton rows.



## ROCK ISLAND No. 2 TBX SULKY PLOW—Continued



Rock Island No. 2 Sulky Plow, with Extension Wide Frame

Eighteen-inch frame extension can be furnished as extra equipment. The frame extension bundle includes an extension for the furrow wheel control arm. This extension is used where it is desired to have the land wheel run in the trench previously made.

The landing lever can be used with the extension frame so that the sweep or middlebreaker can be held in the cotton row.

#### Comfortable Working Position

The operator is more comfortable when using the Rock Island No. 2 TBX than on other

sulky plows, because of the position of the seat, and he has a clear view of the work.

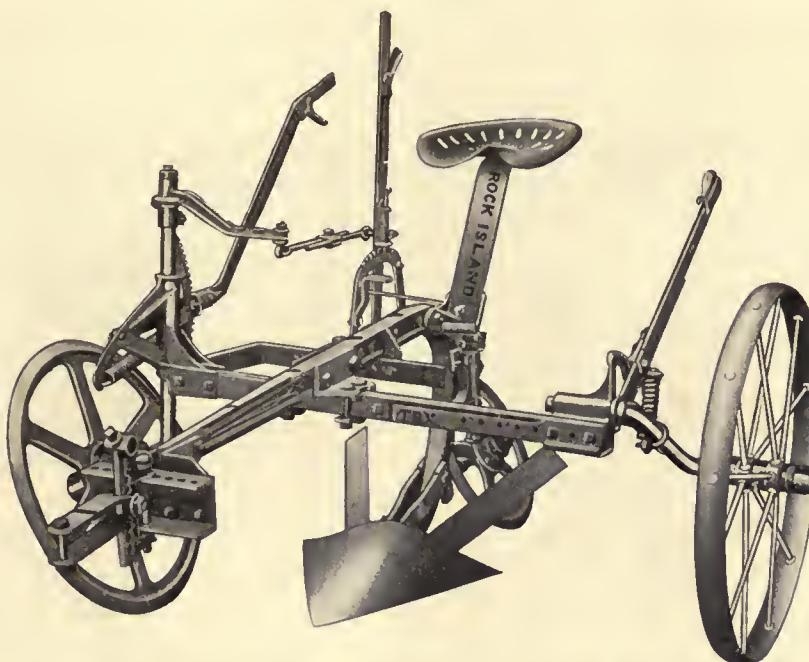
#### Sweep Attachment

All steel sweep attachment fastens securely to the beam in such a manner that it is adjustable for penetration and is equipped with a stinger. Any make of sweep can be used.

An important feature which makes the Rock Island No. 2 TBX Sulky Plow especially desirable is the fact that the point of the sweep is behind the axle. It therefore does better work than any other plow can do with a sweep attachment which throws the point of the



## ROCK ISLAND No. 2 TBX SULKY PLOW—Continued



Rock Island No. 2 TBX Sulky Plow Equipped with Sweep

### Noted for Better Scouring

sweep in front of the axle. Rock Island 18, 20 and 22-inch sweeps can be furnished.

#### Middlebreaker Bottom

TX 14 or TX 16 mixed land, or BX 14 or BX 16, black land middlebreaker bottoms can be furnished as extras.

These middlebreaker bottoms fasten to the same bolt holes in beams as regular plow bottoms. No attachments are needed. This makes the bottom absolutely solid and steady. The point of the bottom being 3 inches back of the axle makes it easy to guide and it stays on the ridge. The long lifting ratchet and original design give great depth in bursting—on level ground, approximately 10 inches—this means practically 16 inches in a 6-inch bed.

Special 20" and 22" shares can be furnished for the BX Black Land series Middlebreakers.

The No. 137 combination three and four horse wood evener can be furnished as extra equip-

ment. This evener has an extra heavy main bar and is so built that it spaces the horses correctly when either middlebreaker bottom or sweep attachment is used.

Pole attachment can be furnished as extra equipment and is especially desirable in hilly country.



Rock Island Middleburster Bottom for No. 2 Sulky Plow



## Rock Island No. 2 TBX Sulky Plow



The Rock Island No. 2 TBX Sulky Plow at Work in Texas Soils—with Sweep

### Specifications

HARDENED soft-center steel moldboard, crucible steel, quick detachable share and extra share. Three-horse perfect equalizer, without tongue or neckyoke, cast furrow wheel, front and rear.

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
TBX 12.....	12	222	499	Texas
TBX 14.....	14	227	506	Text
TBX 16.....	16	228	510	Textile

### With Steel Furrow Wheels

TBX 12.....	12	222	490	Texture
TBX 14.....	14	227	497	Textus
TBX 16.....	16	228	500	Textual

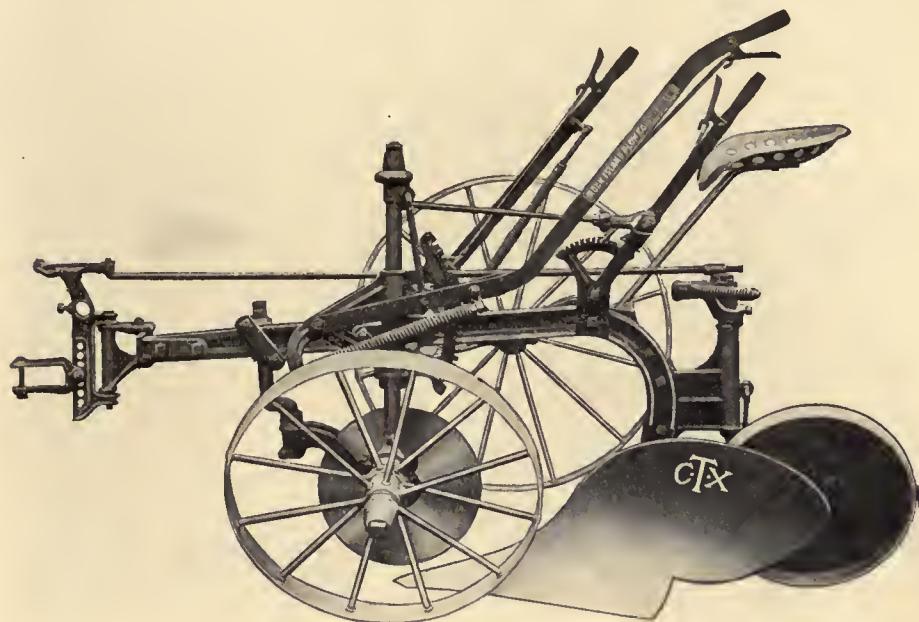
NOTE: Bolted shares can be furnished on order.

### Special Equipment

TX 14—Mixed Land Middle Breaker Bottom.....	14	TX 14C	36	Texan
TX 16—Mixed Land Middle Breaker Bottom.....	16	TX 16C	38	Taxat
BX 14—Black Land Middle Breaker Bottom.....	14	BL 14A	40	Texanet
BX 16—Black Land Middle Breaker Bottom.....	16	BL 16A	46	Texaz
All Steel Sweep Attachment, with Stinger.....			30	.....
18" Sweep with Wings.....			20	.....
20" Sweep with Wings.....			22½	.....
22" Sweep with Wings.....			23	.....
18" Frame Extension.....				
Pole and Neckyoke Attachment.....				
No. 137—4-Horse Evener—For use with sweep and middle breaker bottoms.....				



## Turns Square Corners—Right or Left Hand



### Rock Island No. 3 Sulky Plow

THE Rock Island No. 3 Sulky plow, either in stubble or sod, plows the whole field without the necessity of taking the bottom out of the ground, and does its work perfectly. The land lever is so easily operated the plow can be leveled instantly to meet the conditions of uneven ground.

It will turn in the ground and leave the furrow practically level, due to the fact that the rear wheel construction is right—IT CASTERS.

The rear wheel is unlocked automatically by the team turning in either direction. It can follow the plow; it is closer to the bottom, so that when turning to the left you do not force the bottom away from the bank or the wheel against the bank. The rear caster furrow wheel never leaves the furrow, doesn't jump out, nor is it forced out in turning a corner. The strain

on the rear wheel, axle and bracket is relieved, thus insuring longer life to the plow.

When crossing a dead furrow or ditch, the wheel goes down with the bottom level at all times. If it goes up over a ridge it carries the bottom with it. You always have a furrow of even depth.

The pivot of the vertical clevis on the front end of the beam permits the team to be turned in either direction, or to turn a square corner.

The short cushion spring on the land lever relieves the strain on the plow and also makes it easier for the driver when the land wheel goes over an uneven place or obstruction. It keeps the plow level, avoids the rough riding so common in ordinary plows.



## ROCK ISLAND No. 3 SULKY PLOW—Continued



Rock Island Left Hand Plow Turning Square Corner

The lever ratchets have very fine adjustments, so you can easily adjust the plow to any depth desired.

The Rock Island No. 3 Sulky is regularly equipped with the famous Rock Island CTX Quick Detachable 12, 14, and 16-inch bottoms.

It can also be equipped with either the Rock Island Jointer or the Combination Coulter-Jointer.

## Specifications

Right or left hand.

3-horse steel equalizer without tongue.

Soft center, quick detachable share.

Combination rolling coulter and jointer.

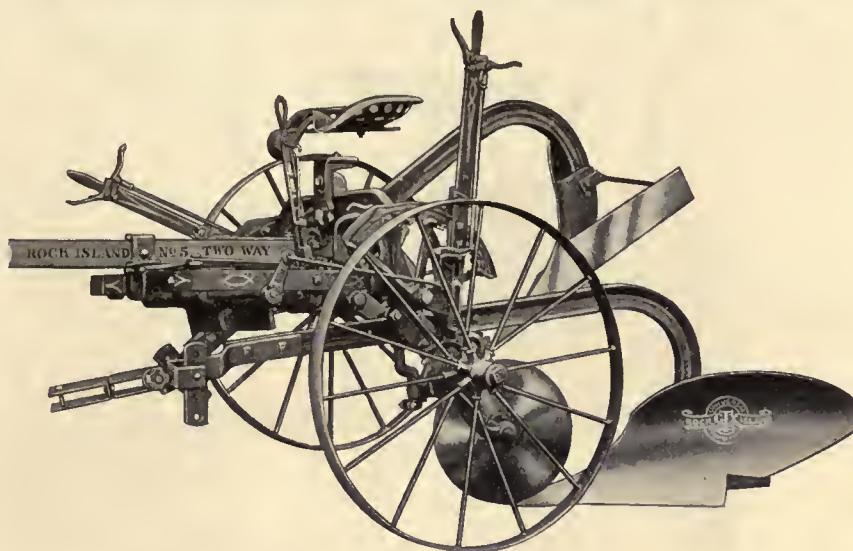
Extras—4 or 5-horse tandem steel hitch.  
Pole and neckyoke attachment.

TRADE NUMBER	Width of Cut Inches	TAKES SHARE NO.		Shipping Weight Pounds	TELEGRAPH CODE	
		Left	Right		Left	Right
CTX 12.....	12	265	266	473	Lamentable	Laminal
CTX 14.....	14	267	268	480	Lamenting	Lamina
CTX 16.....	16	269	270	483	Lamentation	Laminable
*CTX T-12.....	12	.....	222	473	.....	Lamented
*CTX T-14.....	14	.....	227	480	.....	Lamidal
*CTX T-16.....	16	.....	228	483	.....	Lamot

\*Right hand only.  
Extra solid steel shares or cast shares can be furnished.



## For Hillsides and Irregular Fields



### Rock Island No. 5 Two-Way Sulky Plow

THE Rock Island No. 5 Two-Way Sulky has been especially designed for hillside work, for irregularly shaped fields, or for any conditions that make it desirable to throw the ground one way. It is equipped with two bottoms—one right hand and the other left hand.

At the end of the field both bottoms are raised from the ground, permitting a short turn. When plowing back and forth, the out-

side horse walks alternately in the furrow and on the solid ground.

The lifting is done entirely by the team. Merely by pressing the foot trip or lower hand latch of lever the plunger engages the wheel ratchet, which revolves with the wheel until the correct position is reached, when the plunger releases automatically.

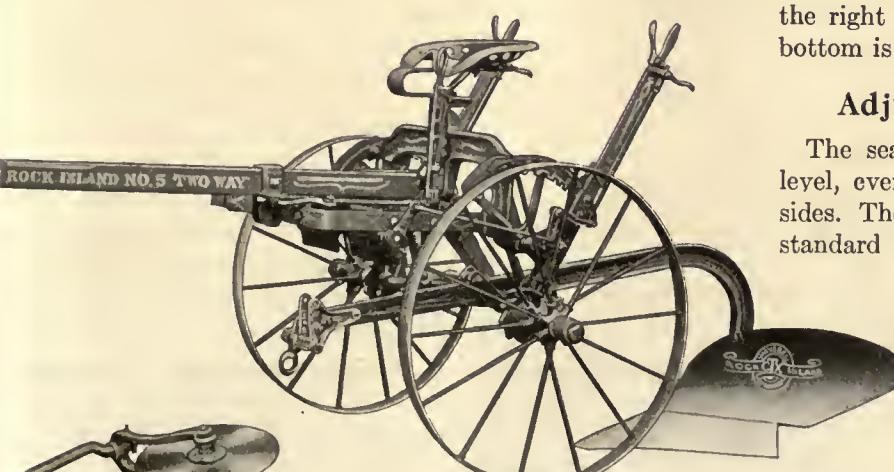
### Hitch Always in Correct Position

The hitch is low and rolls automatically to the right position when either bottom is lowered.

### Adjustable Seat

The seat can always be set level, even when plowing hillsides. The bottom of the seat standard is similar to a sector.

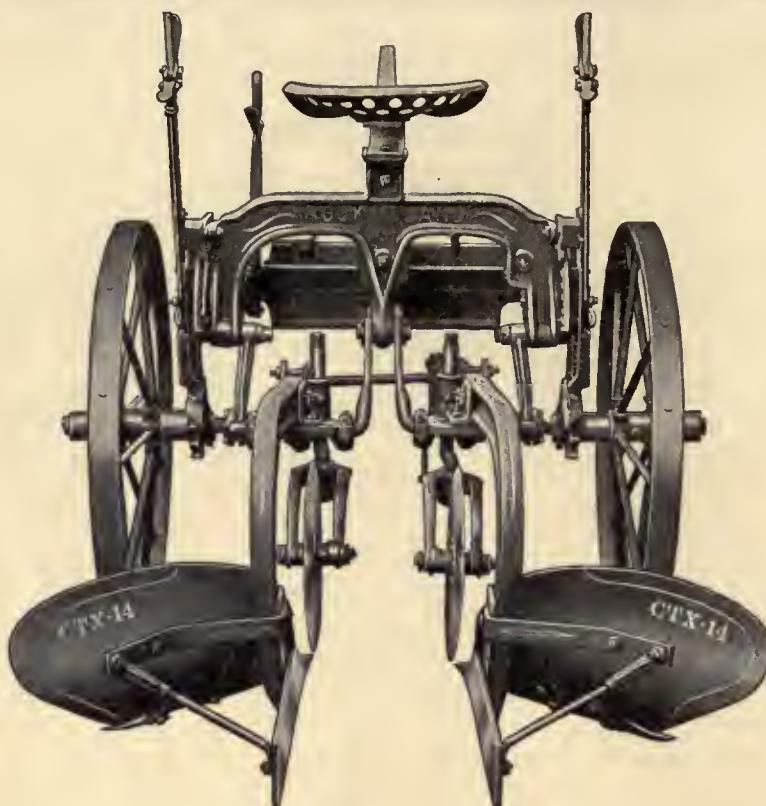
The holes through which the bolt goes that holds the standard upright is slotted, so by simply lifting the seat and placing it at the correct angle,



Rock Island No. 5 Converted into a One-Way Plow



## ROCK ISLAND No. 5 TWO-WAY SULKY PLOW—Continued



Rear View Rock Island No. 2 Sulky Plow

the driver can sit level no matter what the slope.

The tongue is adjustable by means of a convenient lever, which enables the operator to regulate the landing of the plow, regulate the width of furrow, plow an even furrow around curves, or relieve side strain on the team.

### Two or Three Horses

The No. 5 is built for either two or three horses, but is fitted regularly for two. When two horses are used the pole is in the center, but when three are used the pole is attached to the right side of arch.

### The No. 5 as a Single Bottom Plow

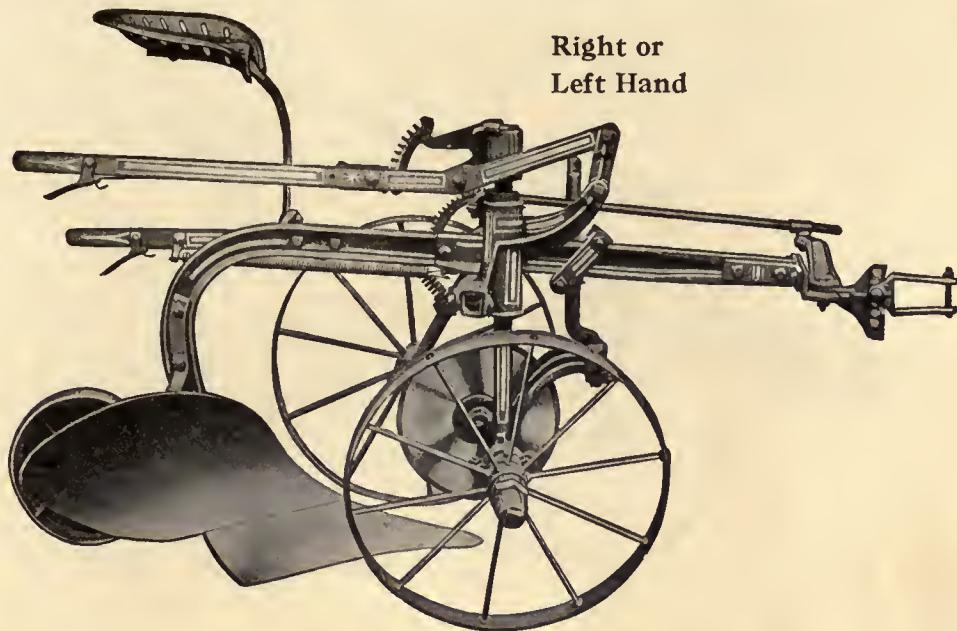
The No. 5 can be supplied with but one bottom, if desired, or it can be easily and quickly changed to a single bottom sulky by removing one bottom and beam, and adding a clevis.

When thus equipped it makes one of the best two-wheel sulkies on the market today. It is perfectly balanced, so there is no weight on the horses' necks, is light in draft, easily backed or turned, impossible to upset, horse lift, and easily transported.

TRADE NUMBER	Width of Cut Inches	TAKES SHARE NO.		Shipping Weight Pounds	Telegraph Code
		Left	Right		
CTX 12, Steel.....	12	65	66	650	Lam
CTX 14, Steel.....	14	67	68	675	Lama
R. & L. Chilled Bottom, 14-inch.....	14	.....	.....	685	Lampoon



## A Light-Weight Sulky Plow



### Rock Island No. 1 "Litewate" Sulky Plow

EXTREME simplicity of design, strength, and light draft are the three features which distinguish the Rock Island No. 1 "Litewate" Sulky. This plow is built especially for work in lighter soils where the average sulky plow is too heavy. Two horses can handle it under ordinary conditions.

#### Automatic Steering Device—An Exclusive Feature

A connecting rod joins the front furrow wheel with the hitch. When the horses make either a right or left turn, this automatically steers the front furrow wheel in the same direction the team is turning. This connecting rod also gives the front furrow wheel either more or less lead whenever necessary, holds the plow to its work on hillsides, and allows it to make either a right or left turn without raising the bottom from the ground.

#### Has But Two Levers

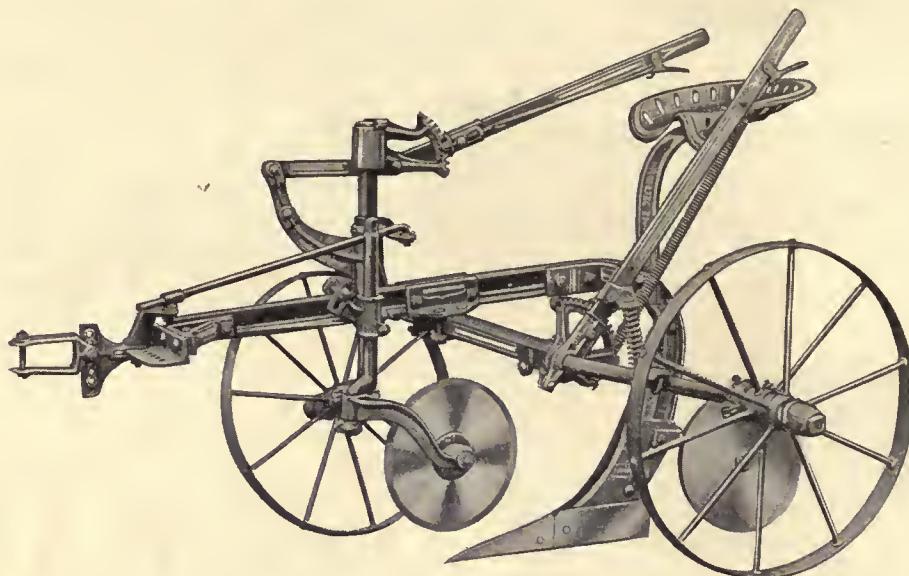
The Rock Island No. 1 has but two levers—the furrow wheel lever on the right and the land lever on the left. These levers are conveniently placed within easy reach of the operator, and permit such a wide range of adjustment that you can plow any depth desired, from two inches to nine inches. When the plow is raised, the point of share is four inches out of the ground, which is a very important feature in turning.

Besides being equipped with an assisting spring, the land lever also has a cushion spring, which assures the plow running level at all times, no matter how rough the ground may be.

The seat sets well back. You can see the work without having to twist clear around, and it is over far enough to the land to maintain balance when turning.



## For Plowing in Light Soils



### Rock Island No. 1 "Litewate" Sulky Plow

Other equipment, such as 26-inch land wheel, 24-inch front furrow wheel, long distance, dust-proof axles, Rock Island Universal Coulter, weed hooks, high throat clearance, and the Rock Island CTX Bottom add to the good working qualities of this plow.

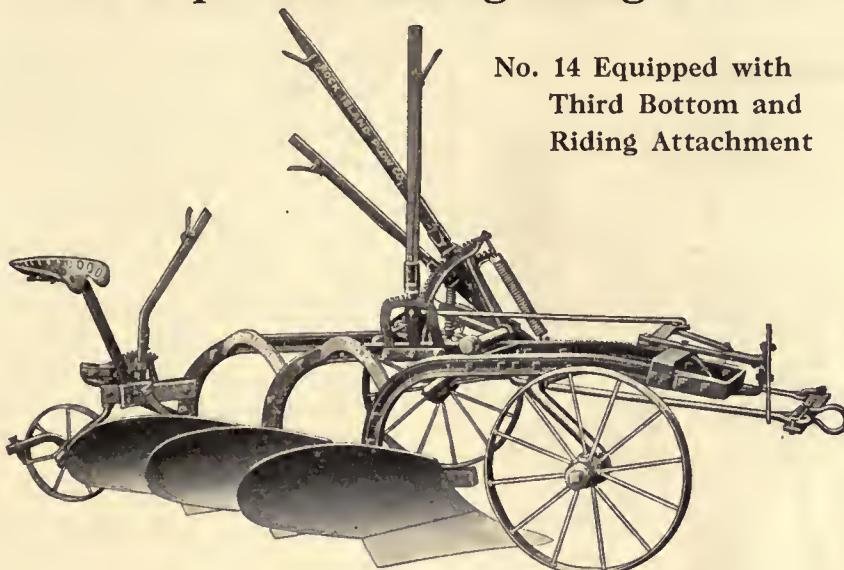
The beam is easily and quickly adjusted on the axle, so that either a 10-, 12-, 14-, or 16-inch bottom, as desired, can be used. A two and three-horse combination hitch is furnished regular.

TRADE NUMBER	Width of Cut in Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
CTX 10 (Bolted share only) .....	10	64	355	Landau
CTX 12 (Bolted or Q. D. share) .....	12	266	360	Lank
CTX 14 (Bolted share only) .....	14	68	369	Lant
CTX 16 (Bolted or Q. D. share) .....	16	270	377	Lapful
CTX T-12 (Bolted or Q. D. share) .....	12	222	316	Lapse
CTX T-14 (Bolted or Q. D. share) .....	14	227	323	Lau
CTX T-16 (Bolted or Q. D. share) .....	16	228	330	Lawney

Solid steel shares and cast shares can be furnished for these plows if desired.



## A Popular Walking Gang Plow



No. 14 Equipped with  
Third Bottom and  
Riding Attachment

### Rock Island No. 14 Walking Gang Plow

THE Rock Island No. 14 Walking Gang is built especially for the soil in states along the Pacific coast and in the wheat country stretching throughout the West and Northwest.

#### Exceptional Clearance

The beam clearance is 23 inches, while the clearance between the plows is  $21\frac{1}{2}$  inches, much greater than the average. This is very important when working in heavy straw ground or where there is extra heavy trash.

The high arched beams are made of extra heavy, high carbon steel, well supported by extra heavy braces, which are hammered into the beam flanges and held by  $5/8$ -inch bolts.

#### Easily Handled

The No. 14 is easily handled, for the levers are within easy reach of the operator when used either as a walking gang, with standing board, or with the riding attachment.

The guide lever changes the line of draft instantly while the team is in motion. It is fastened to the dial hitch rod, merely controlling the location of the draft rod. The draft is applied directly through the beam and not by the guide lever. It is easy to shift while the team is moving.

The main lever operates both land and furrow wheel at the same time, and is assisted in its work by a strong, heavy assisting spring. A third and independent land lever adjusts the plow for depth. The levers all have wide ranges of throw, so as to meet all possible requirements.

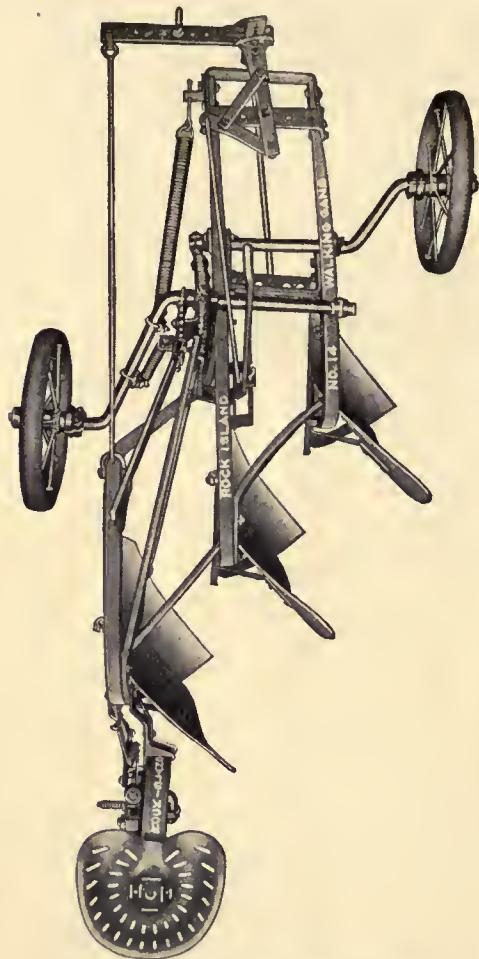
When the plows are lowered for work the furrow wheel is cranked ahead, giving plenty of clearance between it and the front plow, and supporting the front end of the plow when a strung out hitch is used. The land wheel cranks back near the front of rear plow, making square turns easy. When the plows are raised, the furrow wheel is cranked back and the land wheel ahead. This makes the gang compact and easy to handle when not working.

The beams are landed  $4\frac{1}{4}$  inches, which makes it possible to get the hitch over toward the land without giving it an excessive leverage on the draft mechanism.

The draft rod is connected to a heavy plate which forms a brace for the beams. This plate has five holes, so that the rod can be kept at all times about on a straight line of draft by merely running it through whichever of these



## ROCK ISLAND No. 14 WALKING GANG PLOW—Continued

Overhead view Rock Island No. 14  
Walking Gang Plow

holes is more suitable. The draft rod can be easily shifted for use with either 2 or 3 bottoms, and can be either raised or lowered, as desired.

## Wheels

The wheels are 26 inches high, and have 3-inch oval tires and removable dust-proof boxes. An exclusive feature is the adjustment on the land and furrow wheels to give them either more or less lead. This adjustment means the plow will run true under all conditions.

## Clevis

The two-part clevis is easily adjustable horizontally or vertically and is sized to take anything up to and including a 3 x 10 evener.

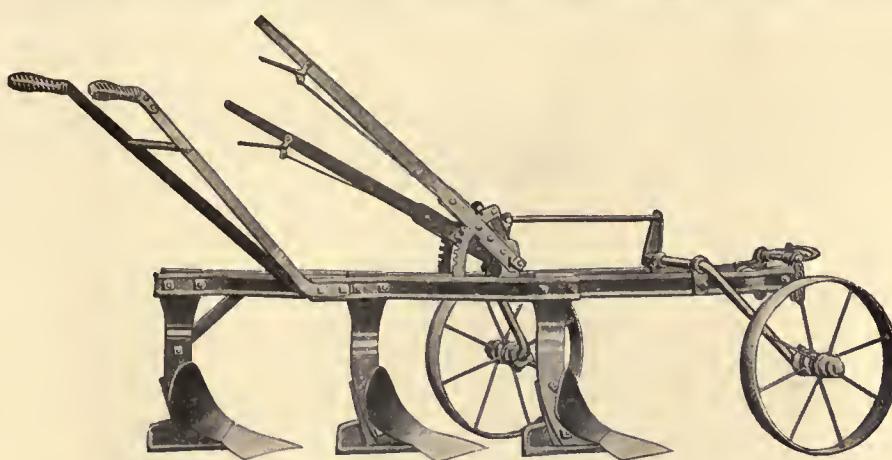
The Riding Attachment is easily and quickly attached to the rear beam of the plow when it is used with either two or three bottoms. In transporting, the lever is pulled towards the seat as far as possible, which raises the rear end of the plow high enough off the ground for easy transportation.

Rock Island No. 14 Walking Gang, regular with caster coulters, shifting dial hitch, weed hooks; no evener or neckyoke. Three-bottom No. 14 equipped with special third beam hitch.

TRADE NUMBER	Width of Cut Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
GS 14" Cut—QD Share	28	GS14	.....	Lanego
{ 2 Bottom.....	42	GS14	.....	Lanegob
{ 3 Bottom.....	32	GS16	.....	Lanegoc
GS 16" Cut—QD Share	48	GS16	.....	Lanegoz
{ 2 Bottom.....	28	268	692	Lan
{ 3 Bottom.....	42	268	882	Lancing
CTX 14, 2-Bottom.....	32	270	712	Lancet
CTX 14, 3-Bottom.....	14	268	190	Landed
CTX 16, 2-Bottom.....	28	227	680	Lane
CTX 14, 3d Bottom Attachment.....	42	227	864	Laneb
CTX T-14, 2-Bottom.....	32	228	700	Lanec
CTX T-14, 3-Bottom.....	14	227	184	Lanef
CTX T-16, 2-Bottom.....	28	.....	70	Laneg
CTX T-14, 3d Bottom Attachment.....	42	.....	.....	.....
Riding Attachment.....	32	.....	.....	.....



## A Walking Vineyard Gang Plow



### Rock Island No. 18 Vineyard Plow

A LIGHT, strong, two-horse gang plow is a good investment for orchard and vineyard cultivation and all classes of shallow or medium depth plowing. The Rock Island No. 18 Gang is without doubt one of the best of this class of gang plows. It has three bottoms, each cutting eight inches, making a total of twenty-four inches of soil turned, and is very light draft for two horses.

Each wheel is controlled by an independent lever, which makes it possible to set the wheels for any depth of plowing, from almost nothing to four and one-half inches when opening a furrow, or as deep as six inches when following a furrow.

This plow can be driven close to trees without danger of barking or damaging them in any way, and by means of the independent lever, hillling or trenching or level plowing can be done at will of driver. The wheels are set close; that is, the right-hand wheel runs in the furrow while the left-hand wheel runs on the land in a direct line with rear plow bottom.

When cultivating vineyards and throwing the soil away from the vines, the gang can be

winged so the inside plow will run the deepest; and when throwing the soil toward the vines, the gang can be winged so as to hill the rows with a wide ridge or furrow, thus giving the vines a good winter protection.

In summer fallowing, the ground is plowed very shallow and turned to narrow furrow slices, this being followed by deeper plowing to stir up and invert the soil, keep the ground from baking and put it in good condition to crop. For ridge planting, three eight-inch furrows can be thrown together from each side, forming a well-pulverized seed bed, and the gang can be winged to give the desired pitch to the banks of the bed.

#### Specifications

Moldboards, soft-center special plow steel, carefully formed, hardened, and tempered.

Shares, high-grade crucible steel tempered to just the right degree of hardness.

Landsides, medium height, cast iron, hard-chilled on the surface next to the land and on the broad shoe or bottom, giving excellent wearing surfaces and abundant strength.

Made right hand only.

TRADE DESIGNATION	Width of Cut Inches	Takes Share No.	Shipping Weight Pounds	Telegraph Code
3-bottom, 8-inch . . . . .	24	71	250	Lagan



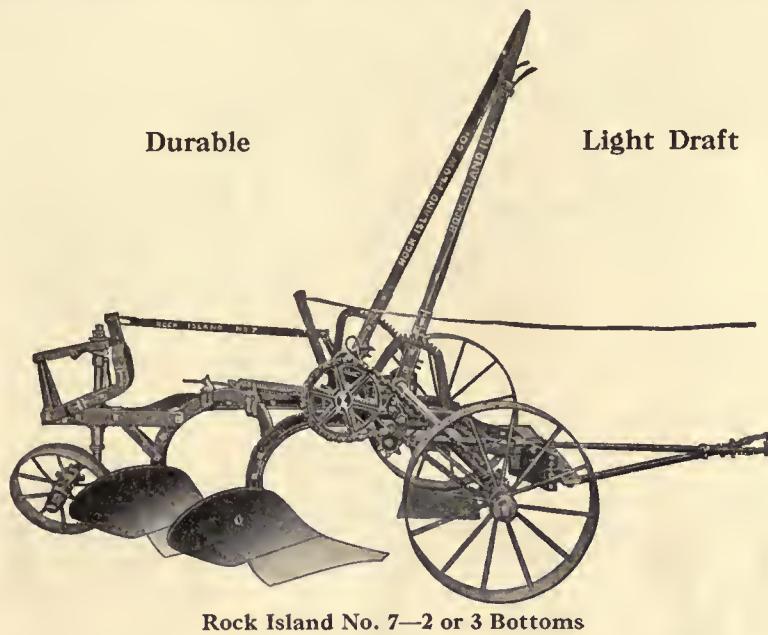
ROCK ISLAND PLOW CO.—ROCK ISLAND, ILLINOIS



## Rock Island "Heider" Plowing Scenes



# Makes the Tractor a Profitable Investment



Rock Island No. 7—2 or 3 Bottoms

## Rock Island Tractor Plow

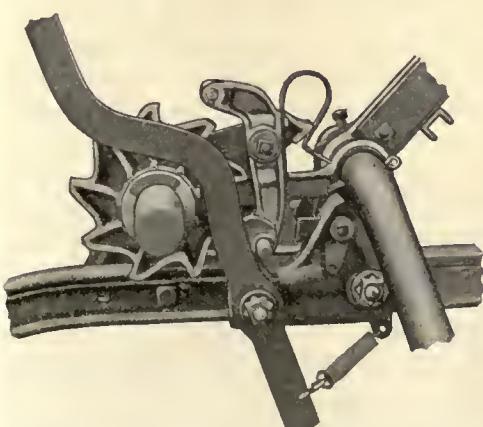
ROCK ISLAND TRACTOR PLOWS have been designed to meet the needs of power farmers in every locality, being constructed to withstand the heavy, continuous strain of tractor field work.

Both the Nos. 7 and 12 are built of extra strength material and are strongly braced throughout. The high arched beams are extra heavy and are made of high carbon steel, well

supported by rear bracings, which are channeled right into the beam flange. These braces are held by  $5\frac{1}{8}$ -inch bolts. Both land and furrow axles are of 2-inch stock, exactly right to stand the severe strain of plowing in heavy, stony ground.

### Front Furrow-Wheel Lift a Great Advantage

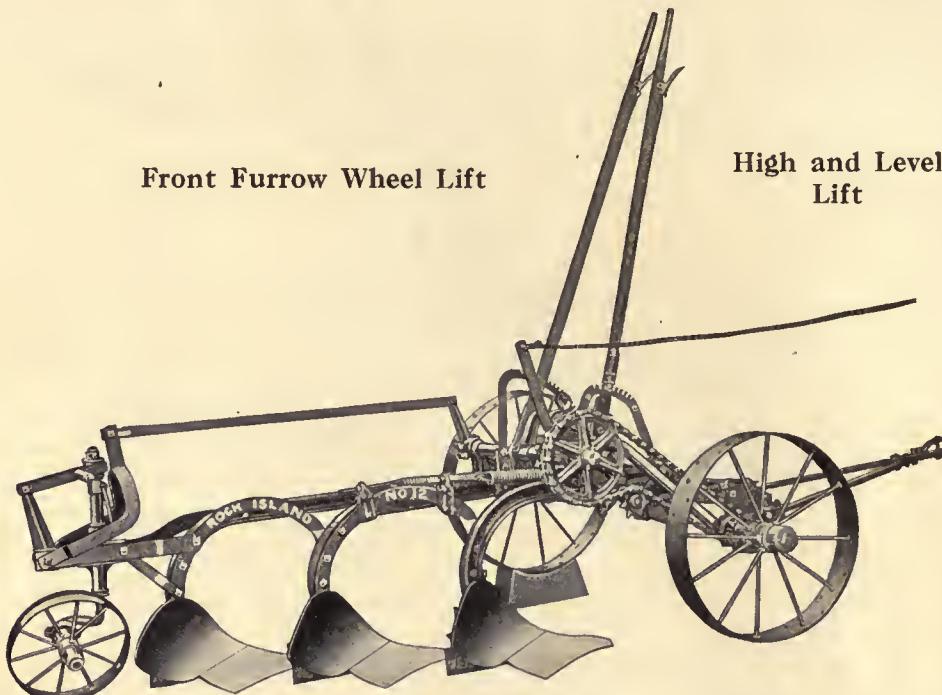
An important feature of these plows, and one that deserves particular attention, is the Front Furrow-Wheel Lift. It is a decided improvement over a land-wheel lift, because the front furrow wheel is always running on the bottom of the furrow, thus producing much greater traction than is possible with the land wheel. This is particularly true when plowing in stubble, loose corn stalk ground or sod, because the land wheel, running over the slippery, uneven ground, cannot produce the traction that the front wheel can, running on the bottom of the furrow. With this principle of construction you have an instant, positive traction just as soon as you throw in the clutch.



Simple, Positive Clutch with No Enclosed Parts



## ROCK ISLAND TRACTOR PLOWS—Continued



Rock Island No. 12 Tractor Plow—2, 3, or 4 Bottoms

The rear furrow wheel is locked when working, so there is no swerving, and the plow can be backed at any time. When turning, it is automatically unlocked. Another adjustment gives the wheel more or less lead whenever desired.

The rigid hitch makes it possible to back the plow. It is equipped with a wooden break pin and is adjustable for any style of tractor.

### Simple, Positive Clutch

Rock Island Tractor Plows have a very simple, positive clutch. The power for the power lift is taken off the front furrow wheel and transmitted by chain to the clutch. A roller is placed on each end of the clutch dog for engaging and disengaging the power-lift mechanism. This improved device causes the clutch to operate smoothly and evenly and

automatically raises the plow to the same height above the ground, whether you are plowing 2 or 9 inches deep.

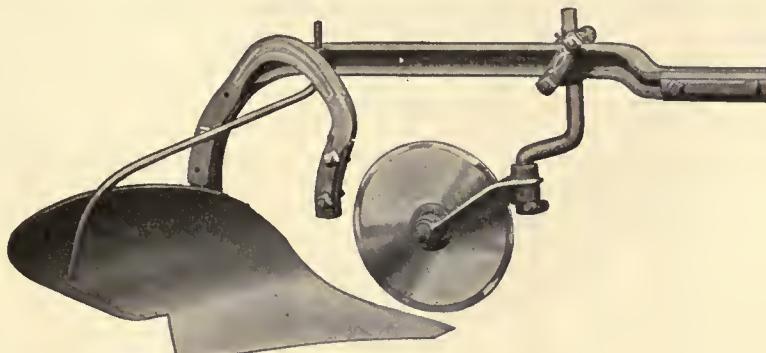
### Exceptional Clearance Both Fore and Aft and Under Beams

A tractor plow must have considerable clearance, for the operator on the tractor does not have time to watch the plows. There must be plenty of clearance both fore and aft and underneath the beams so the plows will not clog even in the trashiest kind of ground. Rock Island Tractor Plows have a wide range of plowing depth and an exceptionally high and level lift.

### Rear Wheel Lead Adjustment

The Rear Wheel Lead Adjustment—an exclusive feature on Rock Island Tractor Plows—

## ROCK ISLAND TRACTOR PLOWS—Continued



Rock Island Extra Beam and Bottom

is mighty important, for it is really what makes it possible to use these plows behind all designs of tractors. This adjustment permits the wheel to be led either to or from the land. As a result, the plow will cut the correct width, even when hitched to a tractor where the center of the hitch is not in perfect alignment with the center of draft of plow.

### Two Levers

There are but two levers on these plows, one for the front furrow wheel and the other a land lever. Both are stationary when raising or lowering the plow and never have to be operated except when changing depth or opening up a land. They are in handy reach of the operator. With these levers you can raise the plow out of the ground independent of the power lift, a very good feature, for if the tractor should become stalled at any time the plow can be eased up to let the tractor through.

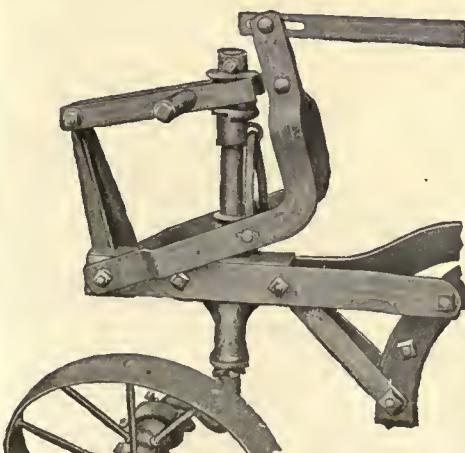
### Rock Island Plow Bottoms

One of the reasons why Rock Island Plows have met with such exceptional success is the famous Rock Island Bottoms with quick detachable shares.

A type of bottom can be furnished for practically any soil condition.

### One Lever Forces Share Off

To remove the share no wrenches or special tools are needed, not even a hammer. All you have to do is to push down on the lever, adding more pressure or a quick push when the lever is about four-fifths of the way down.



Rear Furrow Wheel Lift  
Notice "Lead" Adjustment



## Really Quick Detachable Shares for Rock Island Tractor Plows



### Rock Island Quick Detachable Share

NO WRENCHES or special tools are needed, not even a hammer. All you have to do is push down on the lever, adding more pressure or a quick push when the lever is about four-fifths

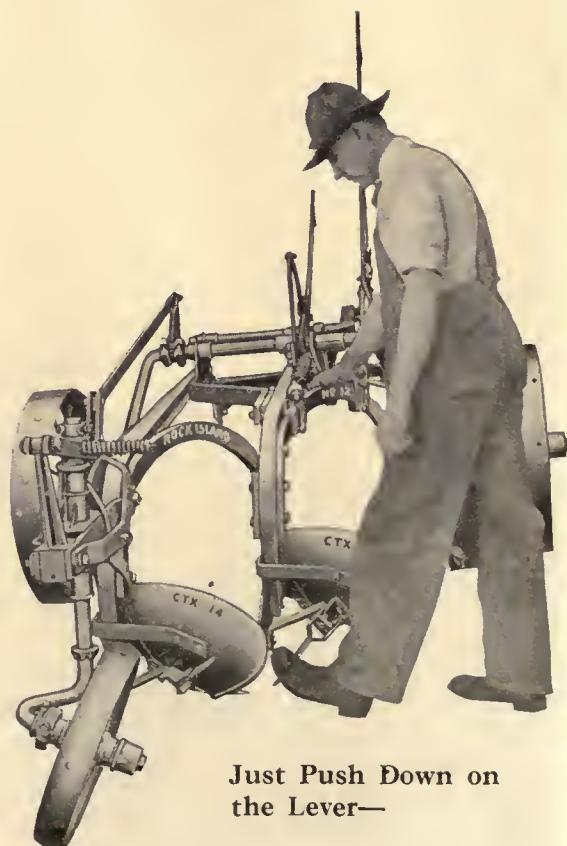


of the way down. This completely releases the share and the new one can be put on immediately. The entire operation takes only a few seconds time, and can be easily made by any boy.

Rock Island Quick Detachable Shares mean less labor and less trouble, enabling you to do more plowing than ever before. Rock Island



Tractor Plows Nos. 12 and 7 are regularly equipped with Quick Detachable Shares, a feature always demanded after once used.



Just Push Down on the Lever—



# Rock Island Tractor Plow Specifications

## Right Hand Only

### Specifications

Hardened S.C. steel moldboards and Q.D. shares

No extra shares

Weed hooks when specified

Caster coulter

Tractor hitch

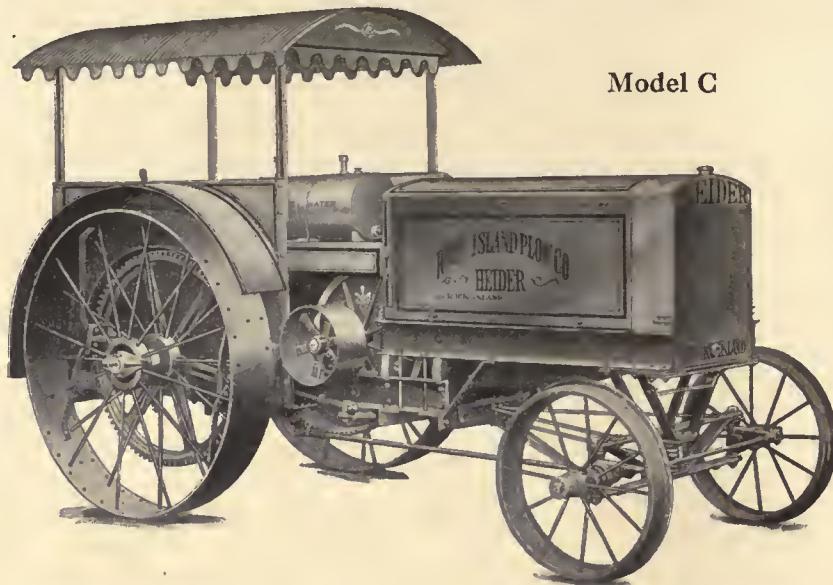
DESCRIPTION	Takes Share No.	Shipping Weight Lbs.	Telegraph Code
No 7, 2 CTX 12-inch Bottoms.....	266	1000	Kaca
No 7, 2 CTX 14-inch Bottoms.....	268	1005	Kaed
No. 7, 3 CTX 12-inch Bottoms.....	266	1200	Kace
No. 7, 3 CTX 14-inch Bottoms.....	268	1210	Kaco
Third Bottom Attachment, 12-inch.....	266	200	Kaen
Third Bottom Attachment, 14-inch.....	268	205	Kaep
No. 12, 2 CTX 14-inch Bottoms.....	268	1080	Kaa
No. 12, 3 CTX 14-inch Bottoms.....	268	1300	Kab
No. 12, 4 CTX 14-inch Bottoms with Tie Bar.....	268	1575	Kaba
As Extra, CTX 14-inch 3d Bottom Attachment.....	268	220	Kabab
As Extra, CTX 14-inch 4th Bottom Attachment.....	268	268	Kabac
No. 12, 2 CTX 12-inch Bottoms.....	266	1075	Kabad
No. 12, 3 CTX 12-inch Bottoms.....	266	1279	Kabae
No. 12, 4 CTX 12-inch Bottoms with Tie Bar.....	266	1560	Kabag
As Extra, CTX 12-inch 3d Bottom Attachment.....	266	215	Kabah
As Extra, CTX 12-inch 4th Bottom Attachment.....	266	270	Kabak
No. 12, 2 CTX-T 14-inch Bottoms.....	227	1070	Kabal
No. 12, 3 CTX-T 14-inch Bottoms.....	227	1282	Kabam
No. 12, 4 CTX-T 14-inch Bottoms with Tie Bar.....	227	1476	Kaban
As Extra, CTX-T 14-inch 3d Bottom Attachment.....	227	196	Kabar
As Extra, CTX-T 14-inch 4th Bottom Attachment.....	227	179	Kabas
No. 12, 2 CTX-T 12-inch Bottoms.....	222	1050	Kabat
No. 12, 3 CTX-T 12-inch Bottoms.....	222	1252	Kabaw
No. 12, 4 CTX-T 12-inch Bottoms.....	222	1446	Kabax
As Extra, CTX-T 12-inch 3d Bottom Attachment.....	222	189	Kabay
As Extra, CTX-T 12-inch 4th Bottom Attachment.....	222	172	Kabaz

Extras—Tie bar, weed hooks, mud lugs, orchard or jointed levers; coulter trash guards; 12- or 14-inch old ground bottoms with soft-center moldboards and quick detachable

shares; TBX 12- or 14-inch bottoms with crucible quick detachable shares; 14-inch slat bottom with bolted share; 12- or 14-inch breaker bottoms.



## Seven Speeds Forward and Seven Speeds Reverse with One Lever and One Motor Speed



Model C



Seven  
Speeds  
Forward  
or  
Reverse  
for Traction  
or  
Belt  
Work

### Rock Island "Heider" Tractor

EVERY Rock Island "Heider" Tractor always develops its rated horse power. It is made in four sizes, 5-10, 9-16, 12-20, and 15-27 h.p. and for nearly twenty years has been a dependable source of power, first for plowing and later for all the various operations that make a tractor a profitable investment on the farm.

Friction transmission does away with the necessity for a clutch and transmission gears—it consists only of a friction ring attached direct to the flywheel, and two large metal discs. The friction ring does the driving and the discs pass the power on to the drive wheels or belt pulley.

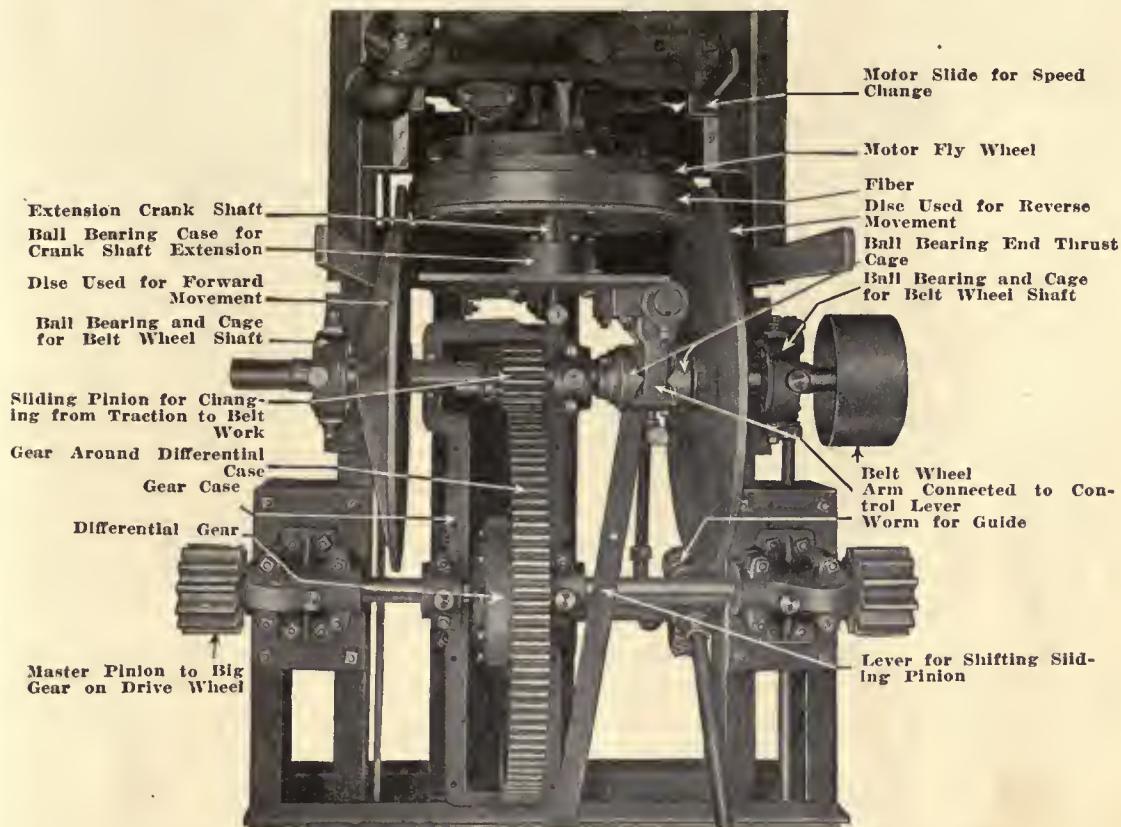
You can start slow and speed up without having to shift gears. There is no clashing, grinding, and stripping of gears, therefore less breakage and less expense.

Just pull the lever to secure the desired speed forward or back. The belt or drive pulley is controlled in exactly the same way.

The first opportunity you have, just give the belt pulley a few turns. You can do it easily—



## ROCK ISLAND "HEIDER" TRACTOR—Continued



The Friction Transmission

then watch the "Heider" start to walk away. It will start so smoothly that it will be moving before you realize it—a remarkable demonstration of the unusually efficient transmission with which the Rock Island "Heider" Tractor is equipped.

Power is delivered with the same steadiness as though it were driven by electric current. Heavy loads can be pulled with less lug equipment than used on many other tractors because the footing is not destroyed.

There is only one reduction from the belt wheel shaft to the differential gear. To get this reduction only two gears—one pinion and one large gear—are required, for the large gear embodies the differential right in it. The smaller gear slides on the belt wheel shaft in

and out of mesh with the large gear. One pull of a lever in the cab slides these gears out of mesh and the tractor is ready for belt work.

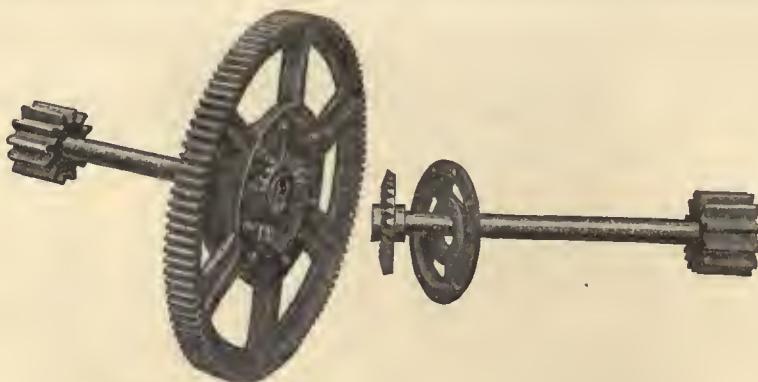
This entire unit in the Rock Island "Heider" Tractor is enclosed in an oil-tight, dust-proof case, with the gears running in oil. This means full gear efficiency—long life—little expense for replacement.

## Burns Kerosene Successfully

On account of a specially designed manifold, the Rock Island "Heider" burns low-grade fuels, such as kerosene, without changing the carburetor. And when burning kerosene the "Heider" has practically the same power and flexibility as on gasoline.



## ROCK ISLAND "HEIDER" TRACTOR—Continued



Differential Gears on Rock Island "Heider" Tractor

## No Carburetor Change Necessary

On the Rock Island "Heider" there are two fuel tanks, which are connected with a two-way valve so that either fuel can be turned on from the cab. It is not even necessary to make any adjustment on the carburetor. One tank has a compartment for holding water, to be fed with the kerosene when that fuel is used. The feeding of this water is also controlled from the cab. This is a feature that has proved its success in actual use.

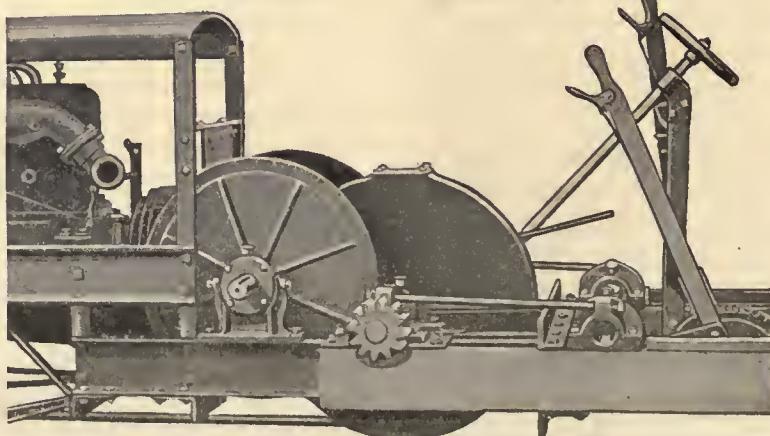
## Parts Readily Accessible

The accessible position of the carburetor and the oil-tight plates over the valve lifters are a great convenience. These plates prevent dust

or dirt getting into these parts. They can be easily and quickly removed, when necessary, to give free access to the valves. The governor is built into the motor and is entirely enclosed but accessible. It is controlled from the cam shaft gear, and is so adjusted that the motor will run at rated speed.

Beneath the carburetor are two large inspection plates which can be easily and quickly removed, and the bearing reached and inspected. It is also easy to remove the lower crank case, and when this is done, all the motor bearings are easy to get at. The piston and connecting rod can be taken out past the crank shaft, making it unnecessary to take off cylinder block to remove piston.

## "Heider" Model "C" 12-20 H. P.



Detail View of the "Heider" 12-20, Showing How the High Speed Gears Are Enclosed



## ROCK ISLAND "HEIDER" TRACTOR—Continued

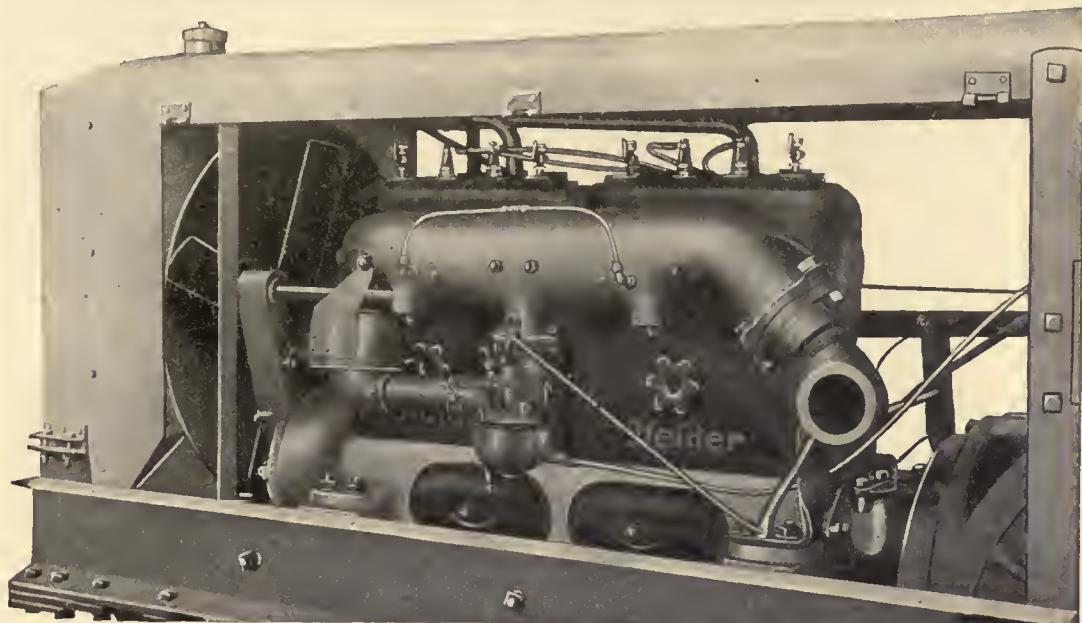


Fig. A—Compact Motor Assembly Rock Island "Heider" 15-27 H. P. Tractor

The Rock Island "Heider" is braced and cross-braced, so it cannot twist or get out of alignment. The rigid, powerful frame insures the proper alignment of all the bearings.

The frame support is brought down to one unit and rests on a ball in the front axle. The axle is spring-mounted. The brace rods of axle also run to one pivoting point directly in line with the ball in the axle, bringing the whole weight of front end of frame on one point of support.

### Three-Point Suspension

This frame has a three-point bearing—one point at each rear wheel and the other on the ball in the front axle. This means that on uneven ground the frame cannot twist.

The frame is swung beneath the rear axle, bringing the tractor close to the ground. This feature and the fact that the top is easily removable, makes the Rock Island "Heider" an ideal machine for orchard cultivation.

The drive wheels are plain and simple in construction, but extremely strong. The large heavy spur gears and hardened steel drive pinions are oiled from a small supply tank

attached on the inside of each fender. These tanks have a valve which can be opened by the operator in the cab whenever these parts require lubrication.

The principal bearings are all ball bearings with self-aligning cages, a form of bearing which eliminates any possibility of heating, regardless of how long, how tight or how heavy the belt may be. Further, ball bearings greatly increase power-transmission efficiency.

The belt pulley is 14 inches in diameter and runs at 725 R.P.M. in low at rated motor speed. It is large enough to furnish proper speed for grain separators, ensilage cutters, clover hullers, corn shellers, etc.

The Rock Island "Heider" Model "C" 12-20 or 15-27 is recommended for three 14-inch plows under average conditions. Model "D" 9-16 pulls two 14-inch bottoms.

In plowing, the Rock Island "Heider" Tractor follows the furrow and does not require a special guide. It gives a straight line draft on the plows, and the operator, from his position in the cab, can handle both the tractor and the plows easily.



## A Complete Tractor Plowing Outfit



The Exceptionally High Lift Raises the No. 19 from 8 to 12 Inches Out of the Ground

### No. 19 Power-Lift Plow for the Rock Island "Heider" Tractor

SEVERAL years ago the Rock Island Plow Co. put on the market the No. 9 Two-Bottom Power-Lift Tractor Plow to work especially behind the "Heider" Model "D" 9-16 Tractor. This outfit was such a success that innumerable requests were made for a similar outfit to work behind the "Heider" Model "C" Tractor.

To meet this demand, the Rock Island No. 19 Tractor Plow was perfected. It is made especially for the "Heider" Model "C" and is directly attached to a steel sub-frame beneath the tractor platform.

#### Handles Easier than a Gang

This plowing unit is under perfect control at all times, in fact it is handled more easily than a gang or sulky plow. The plow can be lifted high and clear of the plowed ground or trash, and backed into a fence corner, turning over every usable foot of soil.

#### Foot Pedal Absolutely Controls the Raising and Lowering

A foot pedal to the left of the operator's seat controls the raising and lowering of the No. 19 plow at all times. Just press down on this pedal to raise the plow—and step on it again to lower the plow to plowing position.

#### High Lift—Plenty of Clearance

This automatic foot-lift also provides for the one great essential to tractor plowing—that is, high lift, which means clearance. The lift on the No. 19 raises the plow from 8 to 12 inches out of the ground, thus giving you ample clearance for transporting from one field to another, for crossing railroad tracks, etc. This high lift also eliminates the possibility of gathering trash when turning.

The illustration shows the two large springs on each side of the lifting device which cushion



## ROCK ISLAND "HEIDER" TRACTOR—Continued



Rock Island "Heider" 12-20 and No. 19 Power-Lift Plow Turning an Acre an Hour

the drop of the plows. This allows the bottoms to enter the ground point first, but without shock or damage to the bottoms.

#### Plows from 3 to 9 Inches

Another mighty valuable feature of the automatic lift on the Nos. 9 and 19 tractor plows is that you can plow anywhere from 3 to 9 inches deep. This increased depth is a big point, for you know that greater plowing depth, coupled with the continued use of fertilizer, means greater yields per acre.

#### Straight Center Draft

When plowing with the Rock Island "Heider" Tractor and the No. 19 Plow, the "Heider" operates with one wheel in furrow; as a result, the center of draft of plow is always near the center of tractor.

To withstand the heavy strain the No. 19 will be put to, it has been built of extra-strength material throughout. The depth and leveling

levers to the left of the operator are much stronger than usual on plows of similar type. The raising device is also well made, and bolted to the floor of the cab to make sure of permanency and long life.

The Rock Island No. 19 Plow can be easily and quickly detached from the "Heider" Model "C" at any time. Simply remove one bolt and unhook the lift chain. Then the tractor, which is equipped with regular draw-bar, can be used for pulling disc, drill, spreader, hay tools, wagons, or the ordinary drag type plow, such as the Rock Island No. 7 or 12, described in this catalog.

#### Nearly 70 Years' Experience

All the experience of nearly 70 years of building farm implements is behind this tool, and no tool is offered to the farmer until we are thoroughly satisfied that it will do the work for which it is intended.



## ROCK ISLAND "HEIDER" TRACTOR—Continued

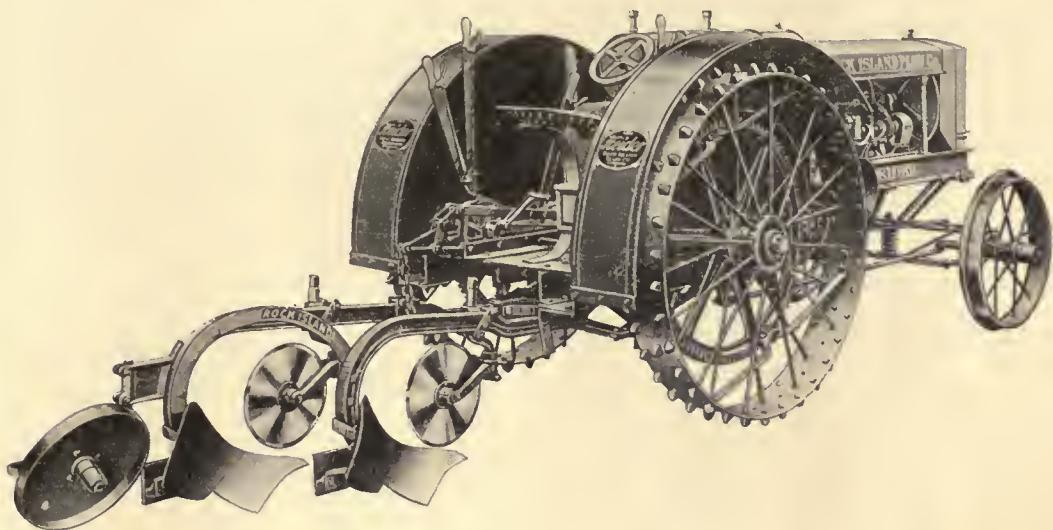
## Specifications

	MODEL "15-27"	MODEL "C"	MODEL "D"
Belt Power . . . . .	27 h.p.	20 h.p.	16 h.p.
Draw Bar . . . . .	15 h.p.	12 h.p.	9 h.p.
Fuel . . . . .	Kerosene or Gasoline	Kerosene or Gasoline	Kerosene or Gasoline
Fuel Capacity . . . . .	21 gallons	21 gallons	21 gallons
Water Capacity . . . . .	7 gallons	7 gallons	7 gallons
Ignition . . . . .	Dixie magneto with starter coupling	Dixie magneto with starter coupling	Dixie magneto with Impulse starter
Tractor Speed . . . . .	1 to 4 mi. per hr.	1 to 4 miles per hour	1 to 5 mi. per hr.
Belt Speed . . . . .	725 R.P.M.	725 revolutions per minute	750 R.P.M.
Carburetor . . . . .	Kingston	Kingston improved type	Kingston
Motor . . . . .	4-cyl., 4-cycle; 4 $\frac{3}{4}$ " bore; 6 $\frac{3}{4}$ " stroke	4-cylinder, 4-cycle; 4 $\frac{1}{2}$ " bore; 6 $\frac{3}{4}$ -in. stroke	4-cyl., 4-cycle; 4 $\frac{1}{4}$ " bore; 5 $\frac{3}{4}$ " stroke
Motor . . . . .	Waukesha	Waukesha	Waukesha
Transmission . . . . .	Friction	Friction	Friction
Rated Motor Speed . . . . .	900 R.P.M.	900 R.P.M.	1000 R.P.M.
Lubrication . . . . .	Circulating splash	Circulating splash system	Circulating splash
Frame . . . . .	Structural steel	Structural steel	Structural steel
Height . . . . .	8 ft., incl. top	8 feet, including top	5 ft. 2 in.
Width . . . . .	6 ft. 2 in.	6 feet 2 inches	5 ft. 8 in.
Length . . . . .	12 feet	12 feet	10 ft. 8 in.
Wheel Base . . . . .	96 inches	96 inches	87 inches
Rear Wheels . . . . .	Diam., 57 in.; width, 10 in.	Diameter, 57 in.; width, 10 inches	Diam., 54 in., Width, 8 in.
Front Wheels . . . . .	Diam., 30 in.; width, 5 in.	Diam., 30 inches; width, 5 inches	Diam., 30 in., Width, 4 in.

For 5-10 H. P. Specifications, see Page 81



## For Medium or Small Size Farms



### Rock Island "Heider" Model "D" with No. 9 Plow

**Sold with or without Plows Attached**

THE Rock Island "Heider" Model "D" Tractor is especially designed to make power farming possible for the man with the small or medium-sized farm. It is the Rock Island "Heider" construction through and through; an exact duplicate of the famous Model "C" except for size.

It has all the same big features. You will find it the same sturdy, four-wheel machine, built right up to the highest standards in every way. It has the same type of four-cylinder heavy duty Waukesha motor, except that it is smaller in proportion; the same type of carburetor, the same ignition and oiling system, and burns the same kinds of fuel.

It has abundant power to pull two 14-inch bottoms  $2\frac{1}{2}$  miles per hour or faster. It will pull harrows, discs, drills, seeders, binders, hay tools, wagons and similar implements.

It also furnishes belt power to operate the smaller sized grain separators, silo fillers, and

corn shellers. It will pump water, saw wood, run the cream separator and washing machine.

For these lighter duties it can be throttled down to the necessary speed. In doing belt work, always remember that your customer can move Rock Island "Heider" power to the work, instead of having to take the work to the power.

The convenient size made this a popular tractor, and it became more popular than ever because of a specially designed attachment for carrying the Rock Island No. 9 Two-Bottom Plow from the rear platform of the tractor.

Here is the handiest outfit, we believe, that was ever offered for plowing. The tractor, of course, may be sold with or without the plows, but this attachment is so exceptionally simple, and is such a big time and labor-saving proposition, that we believe every farmer operating a smaller size farm will want it. The No. 9 Plow can be detached easily and quickly for using



## "HEIDER" MODEL "D" 9-16 H. P., WITH ROCK ISLAND No. 9 PLOW—Continued



### Rock Island "Heider" Model "D" with Rock Island No. 9 Plow Attached

the tractor with other implements or the common drag-type plow.

The plow is attached to a special sub-frame which is connected to the tractor below the platform. A simply designed and extra strong lift extends out from the tractor platform, to which a chain is attached which supports the plow when not in use.

#### Your Foot Controls the Plows— Your Hands Guide the Tractor

One foot pedal controls the clutch which operates the power-lift attached to the rear axle of the tractor. Pressing on the pedal throws the clutch on the axle into gear for raising the plow out of the ground. Pressing on the same pedal again lowers the plow to plowing position. It really requires less effort than to lift the ordinary sulky plow. It has an exceptionally high lift, so that the bottoms,

when raised, will not gather trash. This leaves the shares free to enter the ground when clutch is tripped.

Convenient levers allow you to tilt the plow to right or left and adjust it to plow at the desired depth. *These levers are easily operated without leaving the seat.*

#### Improved Tractor Plow

The Rock Island No. 9 Two-Bottom Plow is especially made for the Rock Island "Heider" Model "D" 9-16 Tractor. It is a most efficient tractor plow. Attached to this tractor, it makes a practical plowing unit.

With this outfit, where the plow is so easily raised, square corners can be turned in the field and you can back up and plow out the fence corners. You can really handle the plows easier than any walking or sulky plow.

#### For the Smaller Farms





ROCK ISLAND "HEIDER" MODEL "D" 9-16 H. P., WITH  
ROCK ISLAND No. 9 PLOW—Continued



A Plowing Outfit that Makes Good Use of All the Field





# For the Thousand and One Odd Jobs on the Farm



## Rock Island "Heider" Motor Cultivator

**5 H. P. at Draw-Bar**

**Model "M-2"**

**10 H. P. at Belt Pulley**

THE Rock Island "Heider" Motor Cultivator while it is called a "Motor Cultivator" can be used for plowing, disking, or to pull the drill, drag harrow, cultipacker, spreader, mower, hayloader, grain or corn binder, potato digger, light road machinery and light trucking; for belt work, to saw wood, shred corn, bale hay or straw, shell corn, grind feed, and clean seed. It is just right for these jobs—it uses less fuel and lubricating oil—is more economical—lighter, and easier to handle than a heavy tractor.

With the Rock Island "Heider" Motor Cultivator the owner can get into his fields at the proper time, do a mighty fine job of plowing with the Rock Island 16-inch Plow Bottom, and plow at the required depth. A little rain need not keep him from properly cultivating corn if he owns one of these Motor Cultivators. During the hot summer months he does not need to "ease up," as is necessary with horses. The motor cultivator travels at the speed required.

One of the outstanding features of the Rock Island "Heider" Motor Cultivator is the unit control of the cultivator gangs and front wheels. The shifting is controlled by the steering wheel.

You do not need to wait until the entire machine is moved before the gangs are turned away from the row. The gangs and front wheels are moved simultaneously, which means positive control and quick action. On the lower steering shaft is a crank which connects to the pitman which shifts the gangs. You merely watch the row and guide the gangs—the front end of the motor cultivator takes care of itself.

This machine is equipped with a brake on each differential drive shaft which makes it possible to slow down or stop either drive wheel for quick turning.

### More Convenient than Stationary or Portable Engine

The Rock Island "Heider" Motor Cultivator is more convenient than any stationary or



## ROCK ISLAND "M-2" MOTOR CULTIVATOR—Continued

portable engine because it can be moved to the work instead of having to move the work to it.

By loosening six bolts, the radiator, engine and drive mechanism can be taken out as a unit and used as a stationary engine.

### Rock Island "Heider" Friction Transmission

This machine is equipped with the patented Rock Island friction transmission which has been such a big success in "Heider" tractors. There are no transmission gears to strip. The friction transmission consists of merely a friction wheel attached direct to the drive shaft, and two large metal discs. The friction wheel does the driving and the discs transmit the power to the drive wheels or belt pulley. On the end of the drive shaft are two Hyatt roller bearings and two cut-steel sprockets. Power is transmitted to the rear wheels by means of a heavy-duty roller chain.

You can start slowly and speed up smoothly. Just pull the lever to secure the desired speed forward or back. Seven speeds forward and seven reverse are provided for either traction or belt work.

The differential gears are cut steel, mounted on ball bearings, completely enclosed and run in oil.

The three-inch channel-steel frame of triangular shape, rigidly braced and cross-braced



to prevent twisting or springing, means long life and owner satisfaction.

### A Big Variety of Equipment

The Rock Island "Heider" Motor Cultivator can be furnished equipped with 16-inch Rock Island plow bottom, or 4-, 6- or 8-shovel gangs, either break-pin or spring-trip, as desired, and the shovels can be given different spacing. Six- or eight-disc gang equipment also can be furnished.

### Specifications

Rated drawbar horse power.....	5
Total width in inches.....	57
Length over all, inches.....	132
Height, inches.....	62
Wheel base, inches.....	84
Clearance, inches.....	28
Net weight of tractor, pounds.....	2600
Diameter of drive wheels, inches.....	46
Face of drive wheels, inches.....	6
Diameter of non-drive wheels, inches.....	24
Face of non-drive wheels, inches.....	3
Make of engine.....	LeRoi
Number of cylinders.....	4
Bore and Stroke.....	$3\frac{1}{8} \times 4\frac{1}{2}$
Normal revolutions, p. m.....	900-1200
Type of governor.....	Centrifugal

Fuel recommended.....	Gasoline
Capacity of gasoline tank, gallons.....	9
Air cleaner type.....	Dry Centrifugal
Lubrication method.....	Circulating Splash
Make of radiator.....	Perfex
Fan.....	Hy-Duty
Ignition.....	Dixie High Tension Magneto with Impulse Starter
Transmission.....	Friction
Number of speeds forward.....	7
Number of speeds reverse.....	7
Ranges of speeds, miles per hour.....	1 to $3\frac{1}{2}$
Differential.....	Rock Island
Make of bearings.....	Hyatt Roller and Ball Bearings

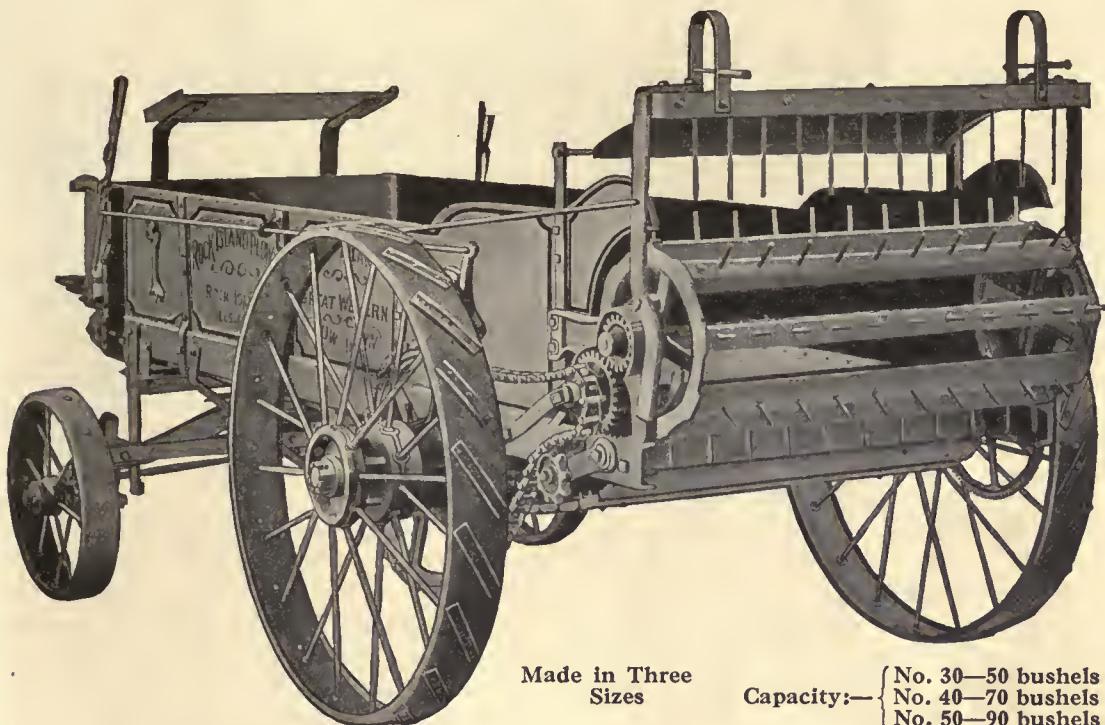


Rock Island  
Great Western  
Auto Truck  
Spreader  
*Low Down*





## Low-Down Endless Apron Spreader with Auto-Front Truck



Made in Three Sizes

Capacity:—  
No. 30—50 bushels  
No. 40—70 bushels  
No. 50—90 bushels

### Rock Island "Great Western" Spreader Low-Down—Auto Truck

THE Rock Island "Great Western" is the original endless apron, ratchet feed spreader. The success of this spreader has more than proved the extra profit-producing qualities of spreading by machine compared with any other method. Over 160,000 "Great Western" Spreaders are in use throughout the United States.

The Rock Island "Great Western" Spreader has fewer parts than the average spreader, but, at the same time, nothing necessary is left off, and, of course, nothing useless added. There is nothing to cover up in the way of gears—no worm gears, spiral screws or transmissions. It is a low-down, easily loaded, light-draft, easy-turn, practical spreader which distributes manure in a manner that pleases every owner. It is particularly fitted to meet the tremendous

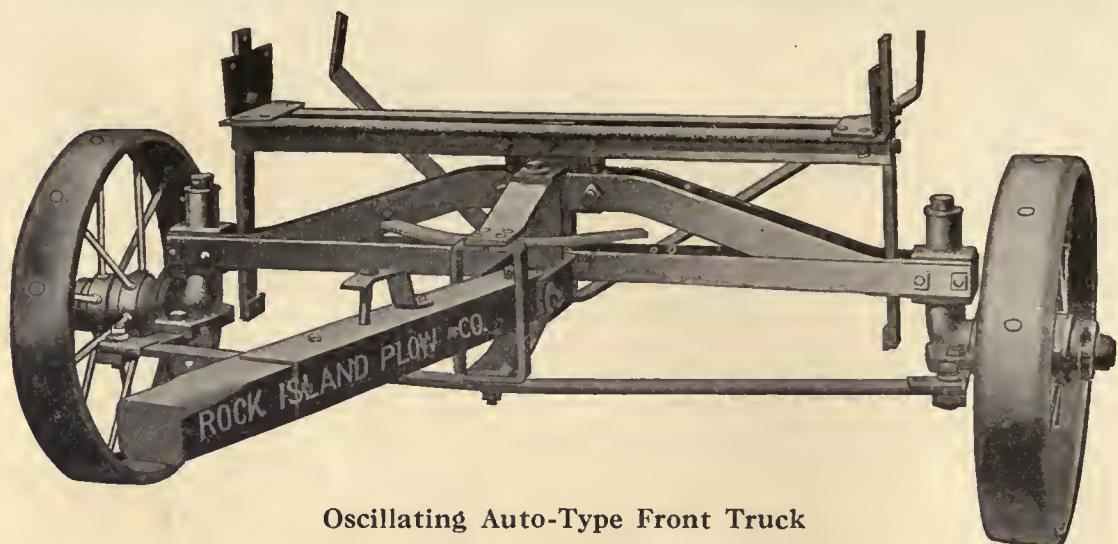
strain of heavy, wet manure and yet develop the power required to elevate, break up and scatter the manure thoroughly.

### A Light-Draft Spreader

Actual tests prove the "Great Western" to be a light-draft spreader. The main reason this is a fact is that *all four wheels are under the load*, and this spreader has the shortest wheel base. The front wheels are set clear under the bed so as to bring the horses closer to the load, and the rear wheels are brought forward as far as practical. This gives a short, compact wheel base, and a close hitch. You know the closer you hitch to a wagon or plow, the lighter it pulls. Another reason for light draft is the endless apron. The manure is carried back to the beater on three sets of rollers, eliminating



## ROCK ISLAND "GREAT WESTERN" SPREADER—Continued



Oscillating Auto-Type Front Truck

all unnecessary friction. Also there are four roller bearings—two on the rear axle and two on the front wheels.

The Rock Island "Great Western" Auto Truck Spreader is made low down for easy loading, and yet it is high enough to clear obstructions in the field.

The auto front truck permits practically a square turn—the spreader can be handled easily in crowded corners of the yard. It is flexible—it relieves the frame of twisting strain. It prevents pole whipping, and the wheels track.

The Rock Island "Great Western" Auto Truck is, without question, one of the best improvements made on spreaders in recent years. The bolster angles are firmly riveted in place; every bolt used in the construction carries a heavy spring lock washer. There are only three castings used, two on the axles, and the center support—the rest of the construction being steel.

### Wheels Always in Alignment

Provision has been made on this truck for giving the proper gather to the wheels. No matter how much wear there may be on the front wheels, with this adjustment the wheels can always be kept in alignment. No other

spreader that we know of has this. If you will investigate spreaders in the field that have been in service, you will find that on most all of them, when the spreader is loaded, the front wheels have a tendency to lead out in place of in. This increases draft.

The first section of the pole is steel, into which the wood pole is inserted. The pole was made this way for two purposes—one so that there would be no rubbing or wearing of wood where the pole connects to the axle, and the other so that the wood pole could be taken out and the steel stub used where a farmer wants to use his spreader with a tractor.

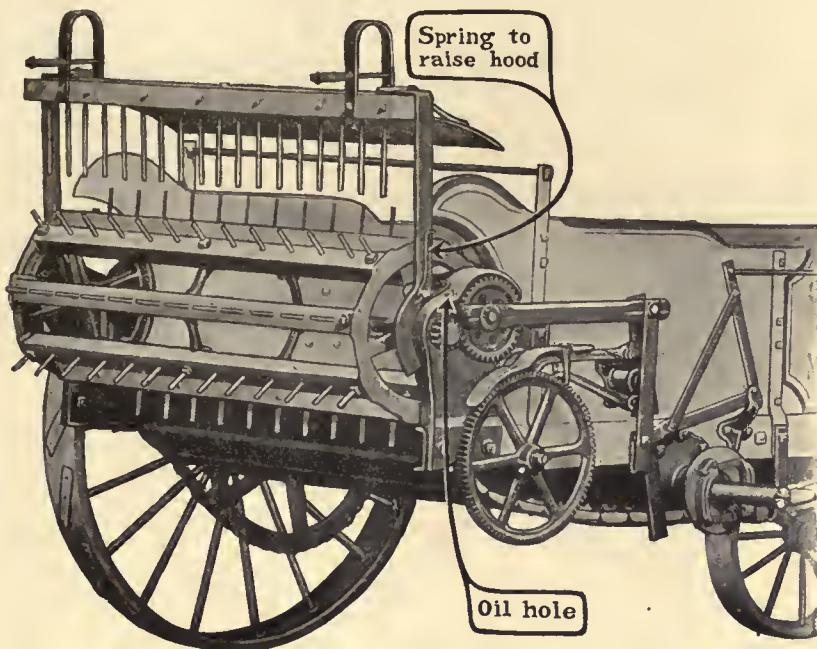
### The Flexible Front Truck

Two other features of this auto front truck that are worthy of mention are the oscillating feature and the height that the pole can be raised or lowered.

The oscillating of this front end will allow the front wheel to pass over an obstruction eight inches or more in height before there will be the least strain on the bed of the spreader. The pole is sufficiently flexible to allow the spreader to run through ditches and out of pits without binding. All pole lash has been entirely eliminated. Spreader can be turned in a small radius.



## ROCK ISLAND "GREAT WESTERN" SPREADER—Continued



RELIABLE "GREAT WESTERN" FEED REGULATOR  
Positive, Even Feed Under All Conditions

This front truck will not pull out. Notice the trussed, bridge-like construction, also the center support with radius bars, and the two outside sliding supports.

#### The Original "Great Western" Ratchet Feed

The Rock Island "Great Western" is equipped with the patented original ratchet feed, often imitated as near as patents would permit, but never equalled. It is a plain, simple ratchet wheel with deep notches, with two arms working alternately on the top of this ratchet wheel. When one arm takes hold, the other lets loose, so that the feed of the apron is practically continuous. Without leaving the seat or stopping the team you can shift the right-hand lever so as instantly to vary the amount spread from just a thin coat up to as thick and heavy as you want it, and there is absolutely no danger of damage or breakage in the operation.

Another advantage is that when the spreader is nearly empty you can speed up the apron so as to clear the machine quickly and at the same time continue to spread manure evenly, instead of stringing it out as other spreaders do.

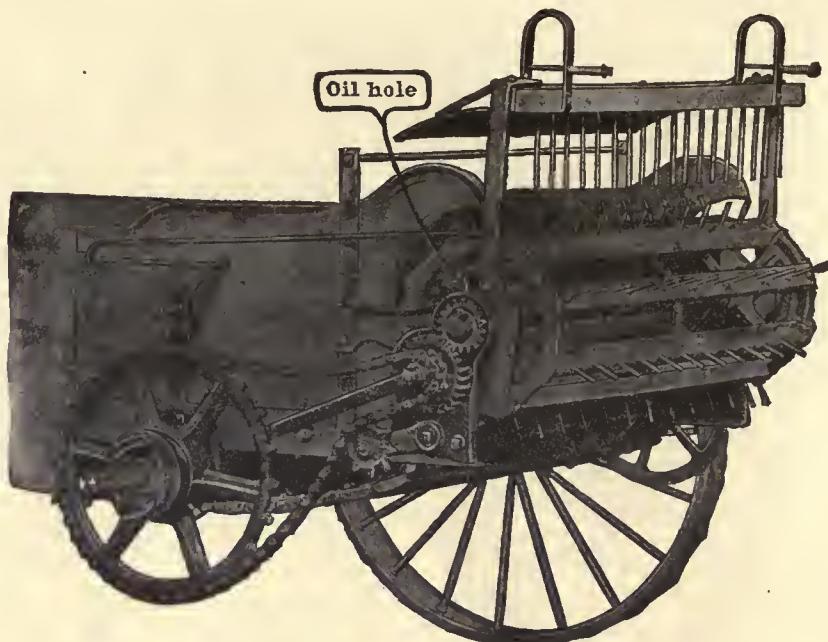
The "Great Western" feed regulator is the original ratchet-feed regulator. The operator may, at will, change the feed or speed of the apron without leaving the seat or stopping the team. Simply move the lever, making the two pawls take 1, 2, 3, 4, or 5 notches at a time.

#### Simple Drive

The illustration on the next page shows the extreme simplicity of the Rock Island Spreader drive. It consists merely of a heavy drive chain from the large sprocket on the rear axle direct to the gear which drives the beater shaft. There are no transmissions and no concealed gears that are so troublesome and expensive when breakage occurs.



## ROCK ISLAND "GREAT WESTERN" SPREADER—Continued



Left Wheel Removed, Showing Simple Chain Drive

## Notice the Simple Drive

No Concealed Gears  
No Worm Gears

The shifting device is also simple. By throwing the left-hand lever forward the clutch is released and all parts remain stationary. This reduces wear to the minimum. The chain is easily kept at the right tension by means of the chain tightener.

### The Famous Rock Island "Great Western" Beater

The beater is a vital part of any spreader, and before any manufacturer can convince you of the superiority of his machine you want to be thoroughly satisfied regarding the following beater points:

Can it stand the heavy strain it must undergo?  
Does it run with least amount of friction?  
Is it the right size?  
How does it run with relation to the apron?  
Does it clean itself at all times?  
Is it liable to sag after hard, continued use?

No Transmission  
No Adjustments

Here is the Rock Island way of meeting your demands. The beater bars are made of select oak, heavy, and riveted between the teeth so they can't split. There's an extra ring or support in the center which prevents the bars from springing, sagging or warping. The beater is kept in correct alignment by ball and socket bearings on each end of the beater shaft. This construction eliminates friction in spreading manure on rough and uneven ground.

Another thing—the "Great Western" beater is large, being 23 inches in diameter. The size is very important. The beater should be large, but, at the same time, it must be in correct position in relation to the apron.

The Rock Island beater is entirely clear of obstructions, and there is no chance for the manure to clog in the beater, thus avoiding the necessity of stopping to clean it out.



## ROCK ISLAND "GREAT WESTERN" SPREADER—Continued

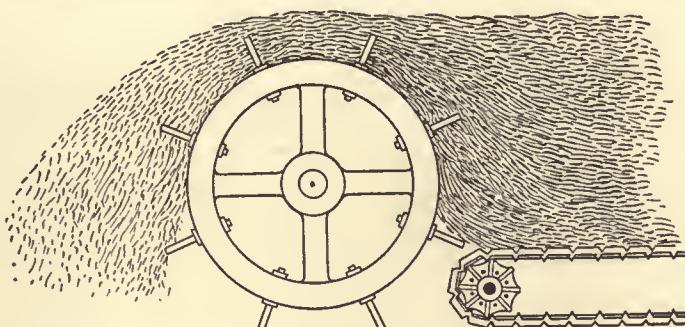


Fig. 1—Correct Position of Beater

## The Correct Position for the Beater?

Remember, the beater and the apron on the Rock Island "Great Western" run independently of each other. When the machine is in gear, the beater runs at full power and speed, whether the apron is stopped or not. This gives the beater a chance to clear itself of long, heavy manure. The apron can be stopped for a moment without stopping the team. This independent feature is greatly appreciated when turning at the end of the field, or in passing over a strip of ground or road where little or no manure is wanted. All these changes are made without the necessity of throwing the machine in and out of gear, and avoids any chance of breakage.

The beater brackets are supported directly over the rear of the main steel frame, and not by brackets that extend from the body only. The weight comes on the main frame.

Fig. 1 shows how the "Great Western" beater sets behind and extends below the apron. This position assures the discharge of the manure with the least power and resistance.

Fig. 2 shows the incorrect position, as usually found. The manure working under the beater causes resistance and greatly increases the draft. The apron is running one way and the beater the other. Such beaters choke down easily in heavy or long manure.

Figures 3 and 4 show one of the most reliable features of the "Great Western"—the Exclusively Patented Endgate and Hood. This is a covered steel gate that drops down in front of the beater before loading, so that the manure does not come in contact with the beater. The beater is running at full speed before the manure touches it, guaranteeing an even spread from start to finish.

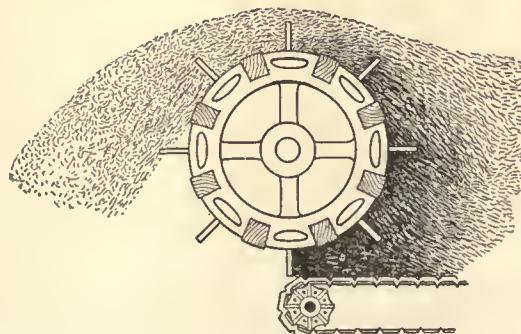


Fig. 2—Incorrect Position of Beater



## ROCK ISLAND "GREAT WESTERN" SPREADER—Continued

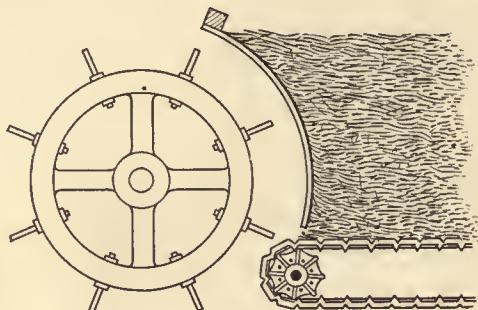


Fig. 3—Showing Endgate Down, Keeping Manure Away from Beater

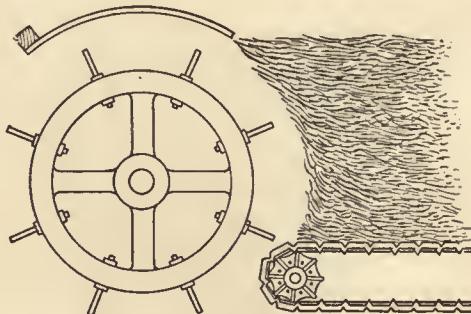


Fig. 4—Showing Endgate Raised, Acting as Hood

Reaching the field, the machine is thrown into gear and the endgate is raised automatically over the beater. In this position it acts as a hood or windshield, preventing the manure from being thrown into the air. Whether spreading in a wind or not, the manure is thrown to the ground directly behind the beater.

Without the endgate, the manure naturally packs right against the beater, as all spreaders are lower in rear than in front. You can imagine the tremendous strain on every part of such a machine when thrown into gear. In addition to taxing the strength of the horses and frequently causing breakage of the spreader, it will throw out two or three bushels in a bunch.

A load of packed wet manure is very heavy and will tax the strength of any machine. Consequently, the main frame and truck, which must stand the strain and carry the load, are most important features to consider.

The main frame and truck must be made strong enough and of sufficient weight to furnish the traction power to operate the machine, move the load within itself, elevate the manure, cut up and discharge it—all in addition to carrying the weight of the load itself.

We meet the demands of a strong and serviceable truck by building it of heavy steel and putting the wheels under the load.

The steel frame is made in the very best manner possible and with extra heavy stock. The main side sills are 4-inch channel steel. These side sills are connected by five channel steel cross braces, which are in turn supported by truss rods of bridge construction.

In comparing frames, remember to consider the length of frame and the position of the wheels. The wheels are under the load, so that the frame is much shorter.

This superior construction, and the fact that the frame is not swung in between the wheels, hammock style, will be readily appreciated by anyone who gives it careful consideration.

#### Wheels Track—Permit Top Dressing

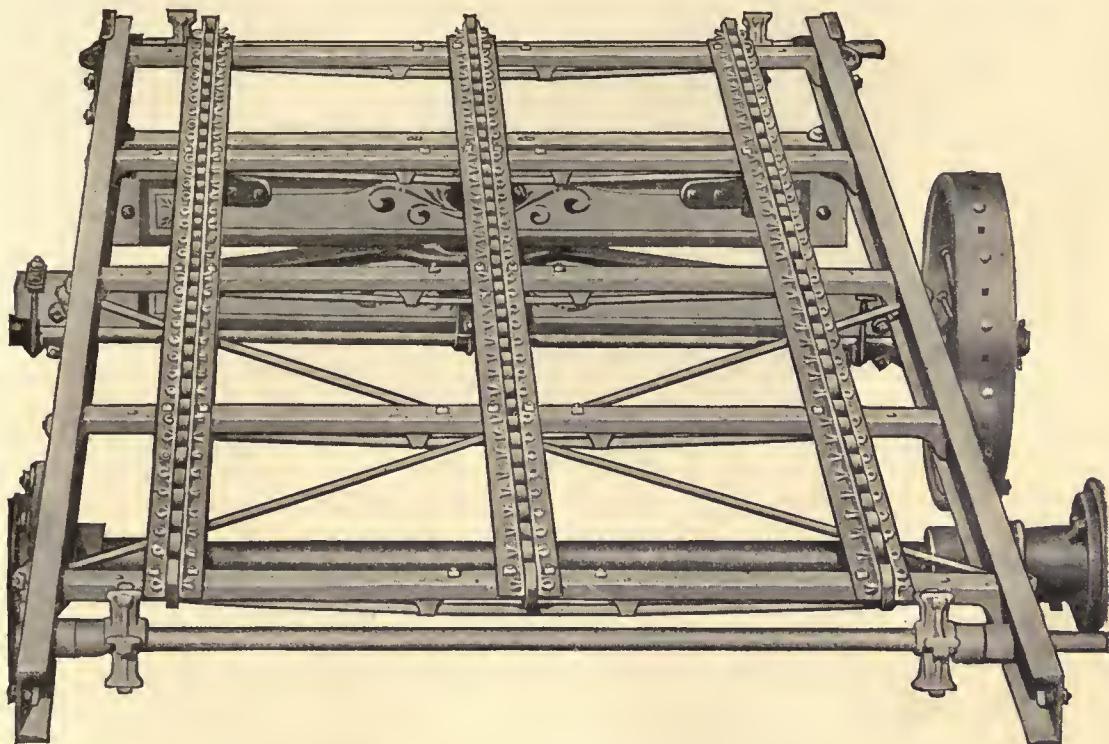
Rock Island superior construction allows the Great Western "Low-Down" to be used for top dressing corn, potatoes, sugar beets, tobacco, and all other crops.

The apron and all mechanism are up above the axles, there is nothing to catch in growing crops or do damage.

The front and rear wheels track, so that the spreader can cover two rows at once, a thing that is absolutely impossible to do with a machine with wide tread behind and narrow in front, as either the front or hind wheels will strike the rows.



## ROCK ISLAND "GREAT WESTERN" SPREADER—Continued

**Rock Island "Great Western" Steel Frame**

Many farmers realize the value of top dressing their growing crops. They fully appreciate the value of manure at this period of plant growth. Top dressing is advocated by every U. S. Experimental Station in the country, and a "Great Western" has this additional advantage.

**"Great Western" Drill Attachment**

The Rock Island "Great Western" Drill Attachment increases the use of the spreader and allows spreading in rows.

For the growth of tobacco, cotton, potatoes, sugar beets, and the various kinds of market gardening and small-fruit growing, this drill attachment will be found a very valuable acquisition.

The drill attachment consists of a housing that encloses the rear of the spreader, getting

all of the fertilizer that is discharged from the machine into the one receptacle and discharging it through an opening in the bottom by means of deflecting wings, which can be adjusted to distribute in a single row, or in two rows, the desired distance apart.

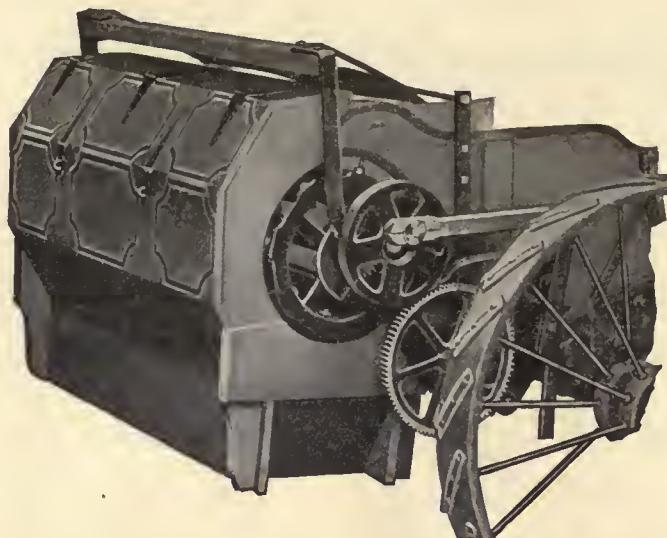
The "Great Western" has the advantage over many spreaders in drilling because the wheels track, which facilitates the drilling of two rows at a time, as all four wheels run in the open spaces between the rows and not on the rows.

**Rock Island "Great Western" Lime Hood**

Lime Hood and Lime gear can be easily attached to a "Great Western" Low-Down Spreader, and is furnished with all necessary parts at a nominal additional cost.



## ROCK ISLAND "GREAT WESTERN" SPREADER—Continued



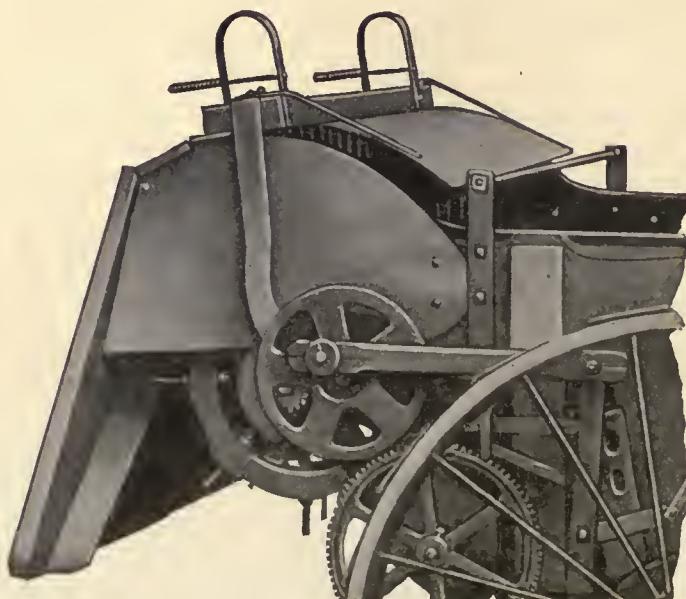
Drill Attachment of "Great Western"

For spreading lime, land plaster and fine fertilizer, our special lime hood and gear will be found very valuable.

This lime hood acts as a wind break, having a shield extending downward near to the

ground, which prevents this fine material from being blown to one side by the wind.

This shield has diagonal deflectors on the under side, which cause fine fertilizers to be distributed equally the full width.



Lime Hood and Gear of "Great Western"



# Over 6000 Loads of Manure Were Hauled with This Rock Island "Great Western" Spreader

Belgrade, Maine

Gentlemen:

This Great Western Spreader was bought for me by Lendall Titcomb of Augusta in 1903 and has been in constant use ever since, having spread at least 5,000 and probably over 6,000 loads.

Picture shows it at work finishing this spring's run of over 300 loads.

This spreader (the first in town) has been well oiled and housed and is in first-class working condition.

J. W. PENNEY



Rock Island "Great Western" Spreader

## Specifications

NUMBER	Length of Box to Beater Rail	Length of Box to Hood	Depth to Cross Rod	Height of Box on Curved Piece	Height of Box at Center	Usual Rating of Bushel Capacity
30	9 ft. 11½ in.	9 ft. 3¼ in.	22 in.	17¾ in.	14¾ in.	50 bu.
40	9 ft. 11½ in.	9 ft. 3¼ in.	22 in.	17¾ in.	14¾ in.	70 bu.
50	11 ft. 5½ in.	10 ft. 9½ in.	22 in.	17¾ in.	14¾ in.	85 bu.

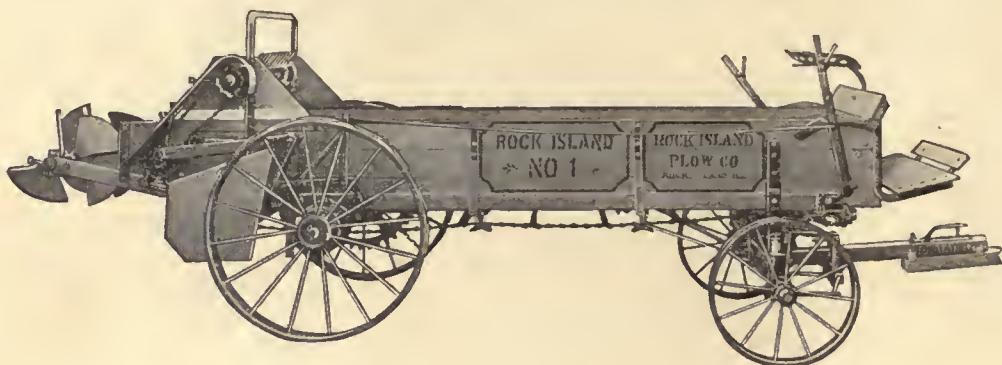
NOTE.—Measurements given are inside.

NUMBER	Width of Box	Evener	Shipping Weight	Telegraph Code
30	3 ft. 5¼ in.	2-Horse	1980 lbs.	Manure
40	4 ft. 3¼ in.	2 and 3-Horse	2166 lbs.	Spread
50	4 ft. 3¼ in.	2 and 3-Horse	2246 lbs.	Spreading

Rear tires 5½ in. wide; front tires 4½ in. wide; neckyoke, wrench and oil can regular equipment. Two-horse hitch for No. 30; combination 2- and 3-horse hitch Nos. 40 and 50.



## A Real "Up-to-the-Minute" Tight Bottom Spreader



### Rock Island No. 1 Tight Bottom Spreader

THE Rock Island No. 1 is the latest development in spreaders. It pulverizes and spreads manure evenly, and, in addition, its tight bottom holds the liquid manure and distributes it with the solid, giving the user practically the full nourishing value of every bit of manure he handles.

Bottom is fastened to steel angle cross sills in such a manner that there are no bolts through the bottom boards—no chance for a leak.

#### Original "Great Western" Ratchet Feed—No Gears

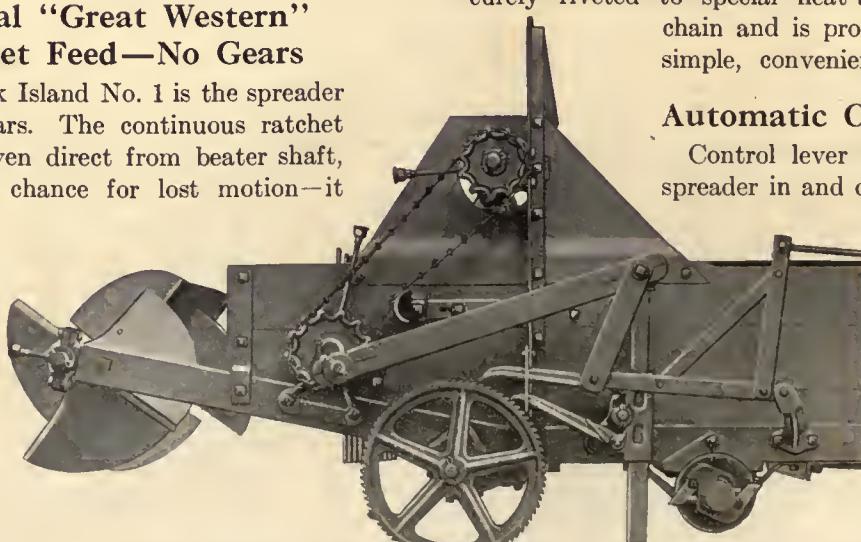
The Rock Island No. 1 is the spreader without gears. The continuous ratchet feed is driven direct from beater shaft, with little chance for lost motion—it

gives a steady, even flow of manure, fed at exactly the right speed to be taken care of by the beater. That is one of the reasons why it is light draft. There is no clogging of the beater.

This "Great Western" feed uses the double drive pawls in place of a single drive pawl as commonly used. With the double drive pawl construction, one pawl is driving when the other is returning on the ratchet. The apron is made of high carbon angle steel cleats securely riveted to special heat-treated steel chain and is provided with a simple, convenient tightener.

#### Automatic Chain Lift

Control lever for throwing spreader in and out of gear is



Original "Great Western" Continuous Ratchet Feed



## ROCK ISLAND No. 1 TIGHT BOTTOM SPREADER—Continued

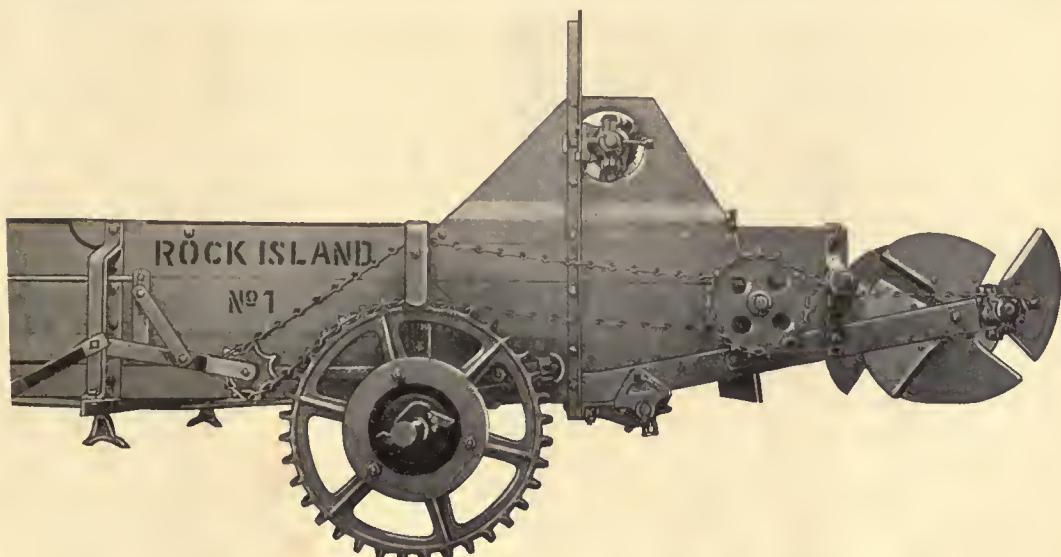


Fig. I. Spreader in Gear. Notice Great Number of Chain Links Engaged with Drive Sprocket

easily operated from one extreme to the other. By means of a simple, ingenious device, the main drive chain is raised and held away from the sprocket positively when spreader is out of gear. A greater number of links of drive chain are in mesh when in gear.

The chain lift, you will notice, is fastened to the spreader frame and not to the sideboards. It is well braced so that it will remain in line with the main drive sprocket. When the machine is either in or out of gear nothing projects

above the sideboards to interfere with the loading. The box is low down—easy to load.

The right hand lever controls quantity of manure spread per acre. It can be set at quantity desired and need not be disturbed again unless change in feed is desired. When machine is thrown out of gear no parts are moving except the wheels.

The upper beater is just the right size and runs at exactly the proper speed to insure pulveriza-

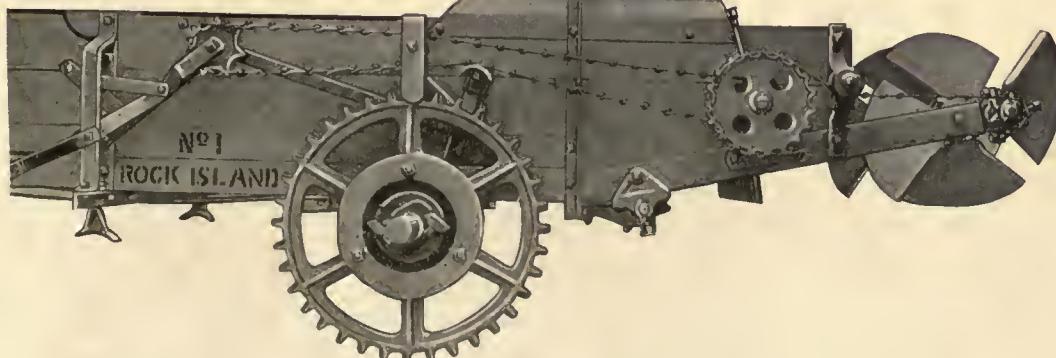
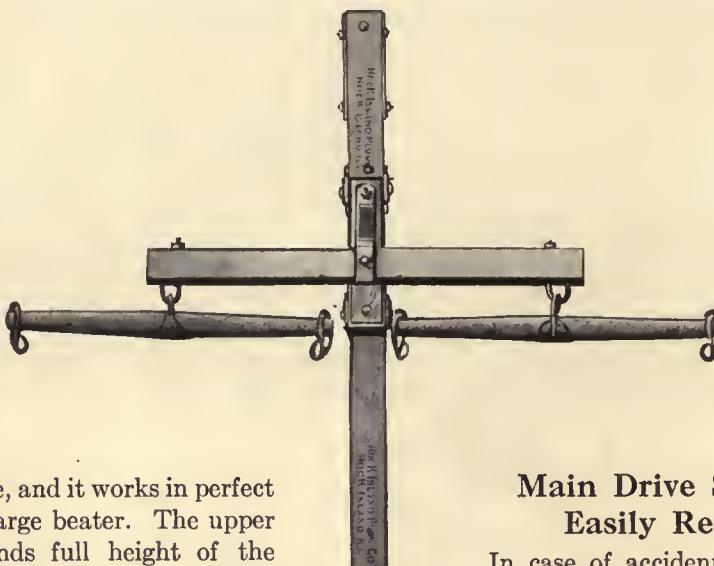


Fig. II. Spreader Out of Gear. Notice Action of Automatic Chain Lift



## ROCK ISLAND No. 1 TIGHT BOTTOM SPREADER—Continued



tion of the manure, and it works in perfect unison with the large beater. The upper beater arch extends full height of the sides and is securely fastened to the main side sill and cross angle sill on each side.

### Wide Spread

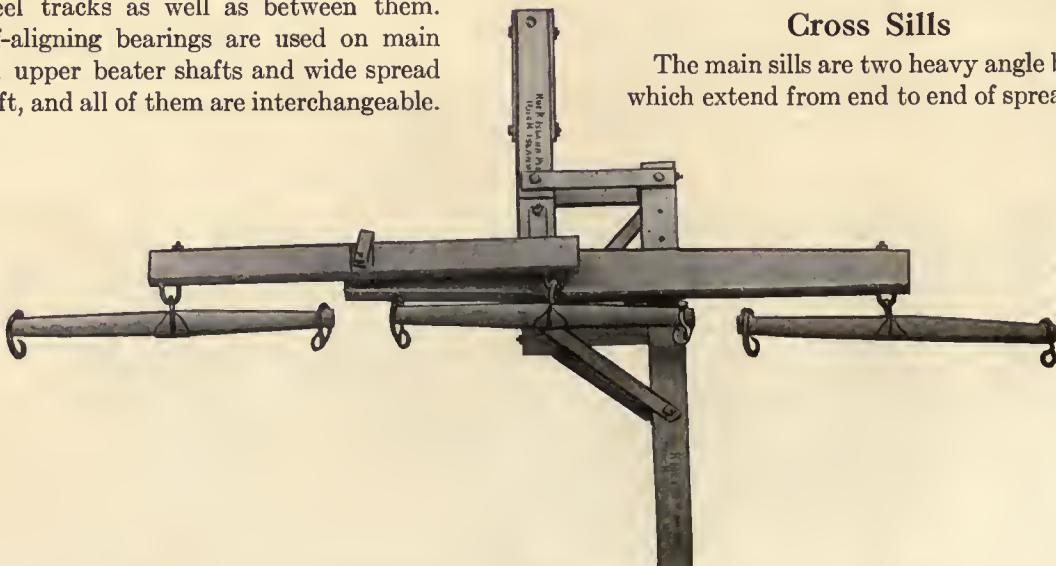
Wide spread is securely fastened right on the ends of the main frame—no straps, braces or toggles required—and it runs at exactly the right speed to pulverize the manure and spread it evenly over the wheel tracks as well as between them. Self-aligning bearings are used on main and upper beater shafts and wide spread shaft, and all of them are interchangeable.

### Main Drive Sprocket Is Easily Removable

In case of accident and the sprocket should be broken, only the sprocket would have to be replaced—not the hub. The two piece drive sprocket and hub construction insures a stronger casting on account of the metal being uniform in both sections. No shrinkage takes place in the spokes. The driving dogs are always in place—held by rivets.

### All Steel Frame Including Cross Sills

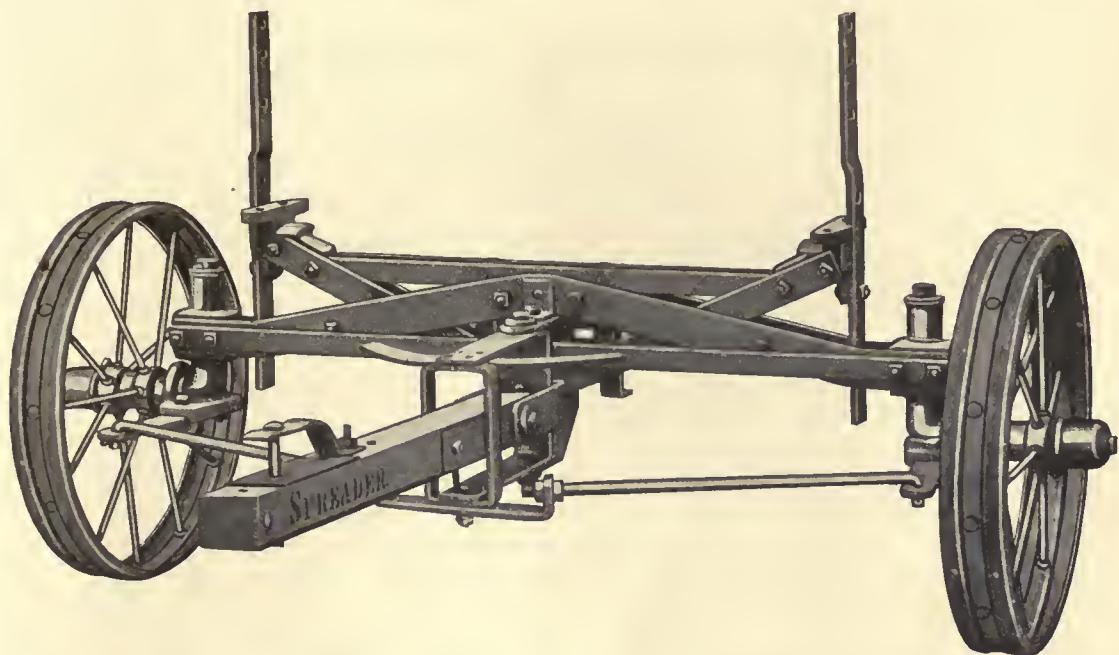
The main sills are two heavy angle bars, which extend from end to end of spreader.



Three Horse Set—Over Hitch



## ROCK ISLAND No. 1 TIGHT BOTTOM SPREADER—Continued



Double-Trussed Auto-Type Front Truck

There are no splices or joints to get loose and cause trouble.

There are five angle steel cross sills, giving the bottom boards a support which will not rot out, and holding the main frame absolutely rigid.

There are two diagonal cross braces underneath the spreader frame to prevent its getting out of square.

The sideboards are braced at six points and trussed to prevent the sides from spreading or bulging out when heavily loaded. These sideboards are ironed on top with regular wagon box irons. The box is built tapering, wider at the rear than at the front, thus relieving the friction on sideboards.

The front endgate is set at an angle to give the most room and to make it self-cleaning.

#### Oscillating, Auto-type Front Truck—No Pole Whipping

The front truck of the Rock Island No. 1 Tight Bottom Spreader is auto-axle type—it

takes all jerk and undue strain off the team when operating across corn rows or over rough ground, and there is no whipping of pole from side to side. Wheels can be kept in alignment by simple screw adjustment.

The auto front truck has a double-trussed construction, braced at the outer ends as well as at the center—impossible to pull truck out from under the spreader. The Rock Island auto-type front truck is oscillating. It will work on uneven ground without throwing a twisting strain on the frame.

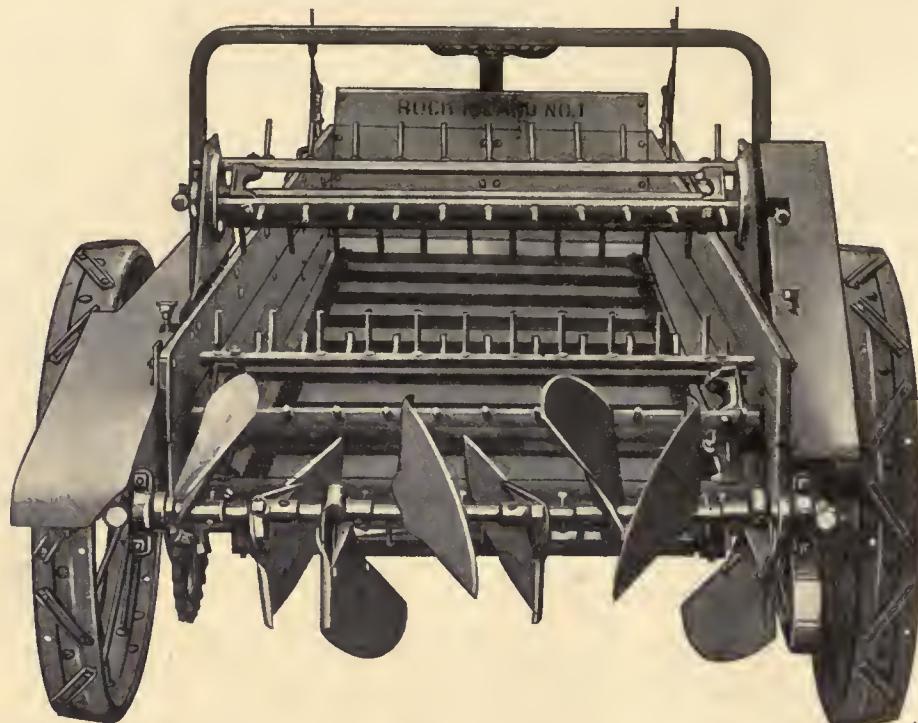
#### Shorter Wheel Base—Closer Hitch—Lighter Draft

#### All Four Wheels Under the Load

All four wheels being under the load, equalizes the weight of the load on each wheel, and makes a close hitch possible—lighter draft—better traction, shorter turning. Front and rear wheels track, which also makes it an ideal spreader for top dressing.



## ROCK ISLAND No. 1 TIGHT BOTTOM SPREADER—Continued



Rear View. Tapered Box Reduces Friction of Manure Against Sides

Front wheels are provided with grease caps, which, when filled with hard oil, thoroughly lubricate the wheels, and at the same time makes a dust-proof wheel, which gives long service. Hard oilers are provided on all important bearings, even on the apron shaft bearings.

Rear axle is fastened to the frame with heavy bolts, and, in addition, a strap truss under the bearings to the frame makes a real job which stands the strain. Roller bearings are used on the rear axle. Length of rear axle is 70 inches. This is much narrower than some

spreaders, making it easier to get through barn doors.

Rear wheel hubs are extra heavy and strong. Tires are cleated and of sufficient width to give the desired traction. Seat is steel, man's size, fastened to an "honest-to-goodness" spring for comfort. It can be folded forward when loading. The foot rest is well braced and unusually comfortable.

Two-horse hitch is furnished as regular equipment. Three-horse offset hitch can be furnished.

DESCRIPTION	Shipping Weight Pounds	Code Word
No. 1 Tight Bottom Spreader.....	1660	Spreadingly



## Rock Island No. 1 Tight Bottom Spreader

Low Down  
Easy to Load

—  
Distributes  
Evenly  
Full Width  
—

All four wheels under the  
load—close hitch—  
light draft.





# ROCK ISLAND

## “Great Western” Cream Separator

Easy to Operate  
Easy to Clean  
Self-Draining  
Bowl

Ball-bearing construction  
—Easy running—Low down,  
enclosed, self-oiling gears.

Convenience in Operating  
—Low down supply can; Low  
down, slow speed, close-  
skimming, perfect flushing,  
self-draining bowl.

4 Sizes—400, 625, 750 or 900  
pounds per hour capacity.

Universal Power attach-  
ment or direct electric motor  
drive can be furnished.



### Our Guarantee

WE guarantee that the Rock Island  
“Great Western” Cream Separator is  
made from the best material obtainable for  
the purpose. That the workmanship is as  
perfect as mechanical skill can produce.  
That the machine will perform its func-  
tions to perfection when properly operated.  
Therefore should any part break or become

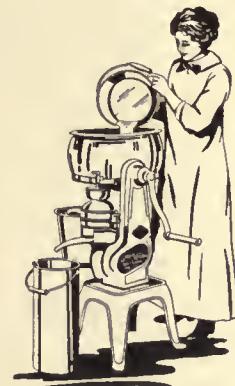
useless on account of defective material or  
workmanship within two years of purchase,  
such parts will be replaced free of charge,  
providing the damaged parts are returned  
to our factory. This warranty does not in-  
clude damage caused by natural wear, acci-  
dent, abuse, etc., nor cleaning brushes and  
rubber rings.



## Perfect Skimming Bowl—Gets the Cream



Low Enough to Operate  
Easily While Sitting  
Down



Low Enough to Be  
Filled Easily

### Rock Island "Great Western" Cream Separator

THE Rock Island "Great Western" Cream Separator, when properly operated, gets all the cream—it is noted for its perfect skimming—the vital feature which determines the profit made from the dairy. The combination of the Rock Island disc skimming device, bottom outlet for the skim milk, and the law of gravity gives such good results that you can have complete assurance that this separator will give the best results year after year. The cream just naturally goes to the top and out of the cream outlet while the skim milk goes downward and out of the bottom outlet.

The direct passage of the milk in the Rock Island "Great Western" bowl not only aids the skimming by keeping the discs clean, but also makes it possible to skim an unusually

large quantity of milk before the bowl clogs sufficiently to interfere with the skimming.

#### Easy Running

The Rock Island "Great Western" Cream Separator is easy running because it is equipped with ball-bearings at all points where such bearings can be used to advantage. Friction is eliminated and all power-absorbing resistance reduced to the minimum. Give the crank a few turns and notice how extremely long a time the bowl will keep on running without further effort on your part.

#### Convenient to Operate

Notice the location of the crank—just low enough to be turned easily while you are sitting down and high enough when you are



## ROCK ISLAND "GREAT WESTERN" CREAM SEPARATOR—Continued



standing. The lowness of the supply can requires less lifting of milk when filling it, and the swinging feature is a great convenience when taking bowl and tinware apart. Even

when the can is full of milk, you can simply swing it out of the way without lifting it, perform whatever is necessary and then swing it back into position again.



#### **Easy to Clean—Sanitary**

The bottom outlet for skim milk makes a self-draining bowl. This greatly facilitates the work of cleaning.

The smooth, uninterrupted surface of the frame, the free and open bowl case, and especially the free and open base, perfectly smooth on top with small surface contact with the floor, complete painting and finishing, which seals all pores and small holes in the castings, prevent accumulations of dirt and make this separator highly sanitary.

#### **Strong and Attractive**

The material and workmanship used in the Rock Island "Great Western" Cream Separator is of the best. Another reason why it works so satisfactorily for an extra number of years is the fact that it is equipped with a perfect lubricating system. The running parts are lubricated partly by direct feed and partly by the splash system.



## ROCK ISLAND "GREAT WESTERN" SEPARATOR—Continued

FIG. II

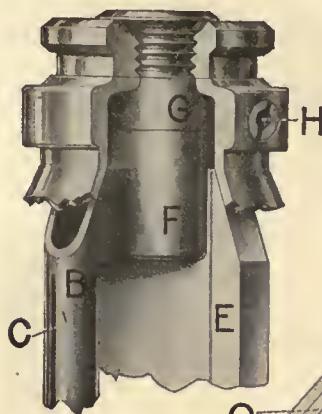
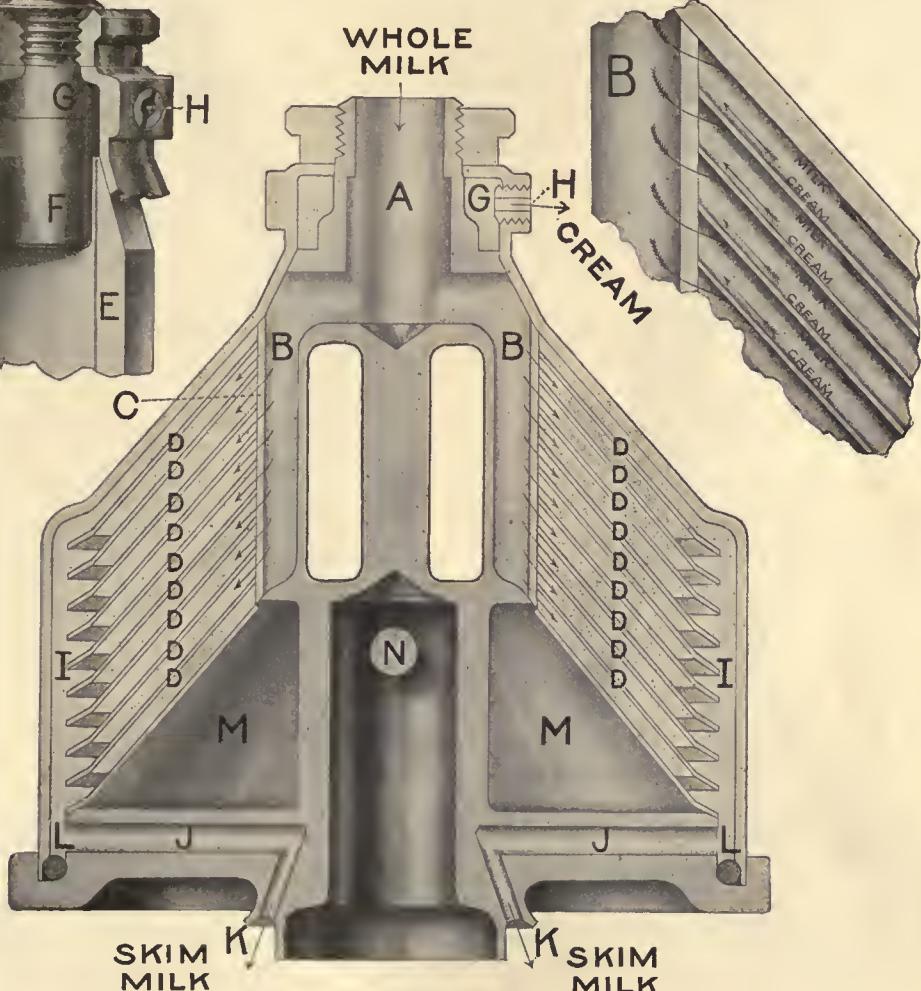


FIG. I



Modified Sectional Views of Great Western Cream Separator Bowl

## How Mechanical Separation of Milk and Cream Is Accomplished

(Referring to Sectional View)

The whole milk first enters chamber "A", from which it flows into tubes "B". Through slot "C" the milk is distributed in equal quantities between discs "D". It is here the separation takes place. Through the action of the centrifugal force the skim-milk passes along the

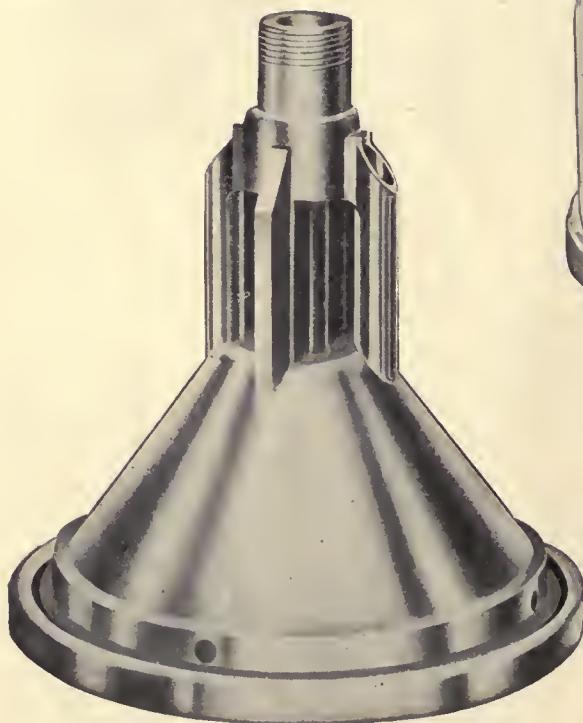
under side of discs "D" outward and downward, and is finally discharged through openings "K" in bowl bottom. The cream passes along upper side of discs "D" inward and upward, collecting at "G" and is finally discharged through cream screw "H" in bowl top.



## ROCK ISLAND "GREAT WESTERN" SEPARATOR—Continued

The Rock Island Great Western  
Bowl

The bowl is the part that determines the actual value of a cream separator. It is this one part that performs that most wonderful operation of mechanically separating the cream from the milk. In order to do this in an absolute and thorough manner requires, first, proper designing and construction; second, selected high-grade materials; third, first-class workmanship. All of these are embodied in the Great Western bowl.



Bowl Bottom and Skimming Device Center

The bowl shell and top is made from a high grade of steel sufficiently strong to withstand more than ten times its required speed without any danger of breaking. It is machined to most accurate dimensions, properly tinned and fitted perfectly in the bowl bottom.

Bowl bottom and skimming device center is made from the highest grade phosphor bronze, which by numerous experiments and tests was



Great Western Bowl



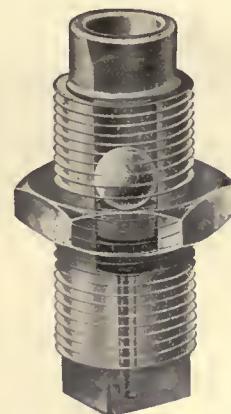
The Bowl Shell and Bowl Top



## ROCK ISLAND "GREAT WESTERN" SEPARATOR—Continued



Upper Bowl Bearing



Lower Bowl Bearing

found to be the most suitable material for the purpose. It is non-corrosive and, therefore, cannot rust, even if not tinned. It is machined to an absolute precision, properly tinned, then carefully assembled with the bowl shell, skimming device discs, rubber ring, bowl nut and cream regulating screw, which, altogether, constitutes the complete separator bowl.

Skimming device discs are made from selected sheet steel, properly tinned and properly fitted. These discs divide the milk into very thin layers, which intensifies the action of the centrifugal force, resulting in greatly increased capacity and most thorough separation.

Rubber ring acts as a gasket which completely seals the joint between the bowl shell and bowl bottom, preventing any possibility of leakage.

Bowl nut holds all of the above parts securely together, thereby making all these parts the same as one solid unit.

The bowl spindle is made of tool steel, which not only possesses several times the wearing quality of steels generally used, but, also, considerably greater stiff-



Bowl Spindle

ness. It will never bend in the machine unless very badly abused.

The glass hard spindle point inserted in lower end of spindle acts only as an end thrust in conjunction with the steel ball in lower bowl bearing.

Upper bowl bearing is made from a superior grade of bearing metal. It is subjected to very little wear as it acts principally as a guide to hold the bowl in position while starting and stopping. This bearing is held by a cushioned arrangement consisting of three heavy and strong springs, which, although heavy, are sufficiently flexible to perform their function to perfection.

Lower Bowl Bearing is made of the same high grade of bearing material used for the upper bowl bearing. It is a plain bearing although it contains a steel ball. The ball merely acts as a thrust for carrying the weight of the bowl. The point of contact between ball and end of spindle is glass hard, besides, it is so very small that there is practically no friction whatsoever. This steel ball rests on a hard steel disc, which in turn rests on a heavy leather disc, which acts as a cushion for the weight of the bowl.



ROCK ISLAND "GREAT WESTERN" SEPARATOR—Continued



The Clutch



The Worm Wheel  
Selected Grade Phosphor Bronze



Crank Shaft Ball Bearings



Ball Bearings for Main Shaft



Main Gear  
Best Quality Grey Iron



Sectional View of Ball Bearing Cup and Cone,  
Showing Hard Surface and Soft Center



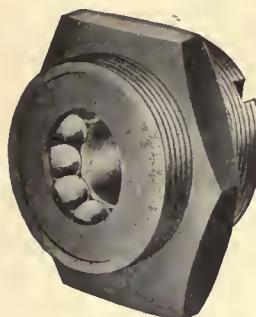
## ROCK ISLAND "GREAT WESTERN" SEPARATOR—Continued



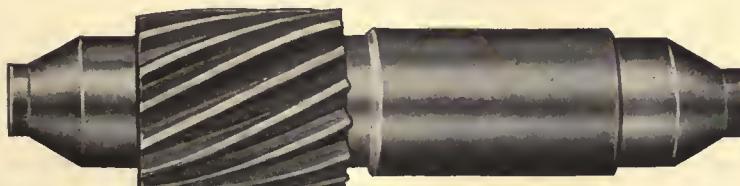
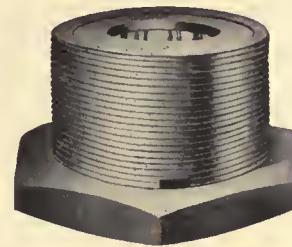
Crank Shaft with Ball Bearing Cones



Main Shaft with Ball Bearing Cones



Ball Bearings for Pinions



The Pinion

## Specifications

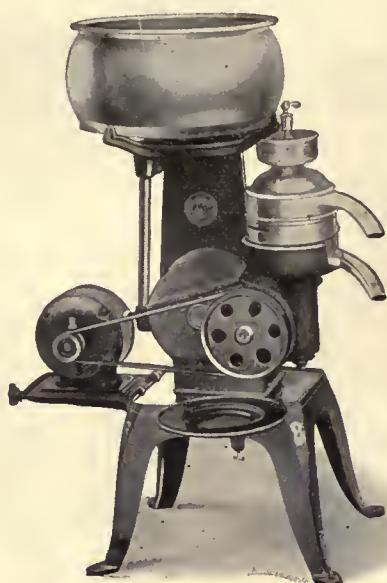
MODEL	Capacity Per Hour Pounds	Bowl Speed Per Minute	Shipping Weight Pounds	Telegraph Code
No. 90X	900	6800 to 7000	220	Jersey
No. 70X	750	6800 to 7000	215	Calf
No. 60X	625	6800 to 7000	210	Cow
No. 30X	400	6800 to 7000	200	Cream
No. 130	400	6800 to 7000	200	Creamery
No. 160	625	6800 to 7000	210	Cowlet
No. 170	750	6800 to 7000	215	Calfer
No. 190	900	6800 to 7000	220	Jerseyment.

Extras: Direct electric motor attachment, special Universal Power Attachment, plain pulley, pulley with crank, No. 1 friction clutch pulley.

NOTE: Always mention Separator number when ordering either "direct electric" or special power attachment.



## Rock Island "Great Western" Separator



### Direct Motor Drive

WHEN the Rock Island "Great Western" Cream Separator is motor driven, all jerks and shocks are taken care of by a spring-cushioned arrangement placed beneath the motor base.

The fact that the spring tension is applied directly to the motor (thereby converting the motor itself into a cushioned belt tightener) makes it possible to eliminate several extra parts, such as idler pulleys, rocker arms, etc., which generally project and interfere with keeping such devices in a clean and sanitary condition.

This ideal arrangement insures that the separator will be brought up to full speed with a

smooth and even pull, without jars, jolts or vibration. The tension of the belt can very readily be increased or decreased by means of the adjusting screw with hand wheel projecting from under the motor bracket in rear.

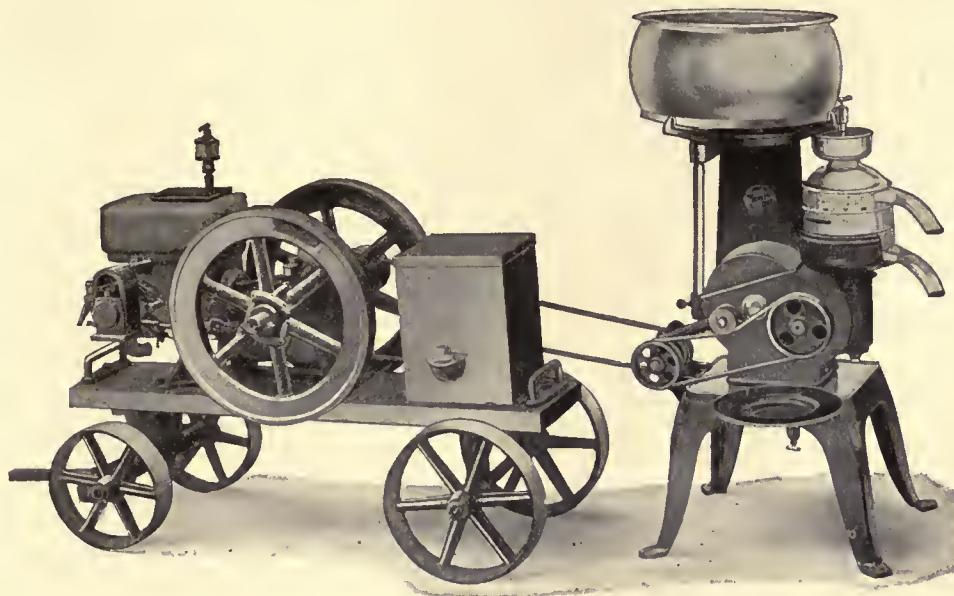
Taking all of these features together, we have a most ideal and perfect combination for the purpose of operating the Rock Island "Great Western" Cream Separator by direct electric power—a combination that will insure the smoothest possible running of the machine, which, in turn, means a minimum of wear and maximum efficiency.

Note in the illustration the simple construction, making it a compact, one-unit machine.

**"Good Equipment Makes a Good Farmer Better"**



## Rock Island "Great Western" Separator with Universal Power Attachment



Power Attachment for Rock Island "Great Western" Separator

THE Special Universal Power Attachment illustrated herewith has proved to be a most convenient, most efficient, and most satisfactory device for the purpose of driving cream separators by mechanical power. With this device the separator can be driven direct by a gasoline engine without irregularity of speed or danger of injury to the separator due to shocks and jerks caused by the explosion impulses in the engine cylinders. Any other mechanical power can be used equally well, such as the steam engine, steam turbine, electric motor, tread power, line shaft, etc.

The illustration shows at a glance the extreme simplicity and neatness of design of this attachment. It is also very compact and rigid in construction. A belt one inch wide is ample, and is recommended. The upright projections

on bearing bracket act as guides, preventing the belt from running off of the pulley should the belt happen to be crooked or the pulleys out of line to a greater or lesser extent.

The pulley mounted on the lever acts as an automatic belt tightener. When not in use this pulley can be thrown backwards clear out of the way. Proper lubricating facilities are provided for all moving parts on this attachment, and if properly lubricated it will last for a great many years.

This attachment is placed very low, at a point where the separator is most rigid. No destructive shocks or vibrations are communicated to the bowl, provided, of course, that the machine is fastened down securely on a solid foundation.



# Rock Island Eveners for Every Purpose

## Specifications

No.	DESCRIPTION	Where Used	Shipping Weight Pounds	Tele- graph Code
100	2-horse Doubletrees, wood.....	Two-Row Planters, No. 99 Planter, Chief Planter, single-row stalk cutter.	17	Tab
104	Combination 2 and 3-horse Perfect Equalizer, steel and wood.....	For Sulky Plows.....	31	Taba
105A	4-horse Equalizer, steel.....	Rock Island Gangs.....	84	Tabe
107	4-horse N. S. D. Evener, wood.....	Rock Island Gangs and Sulkies.....	55	Tabi
118	3-horse Evener, wood.....	Double-Row Stalk Cutter.....	38	Tabl
120	Combination 2 and 3-horse Eureka Evener, steel.....	Universal.....	63	Tabm
121	3-horse Evener, wood.....	Disc Harrow.....	24	Tabn
122	Comb. 3 and 4-horse Evener, wood, as a 3-horse	Disc Harrow.....	37	Tabo
122	Comb. 3 and 4-horse Evener, wood, as a 4-horse	Disc Harrow.....	44	Taboc
124	Combination 7-horse Tandem Evener, steel...	Rock Island Gangs, Rock Island Triple Gangs, Rock Island Sulkies.....	165	Tac
125	Combination 6-horse Tandem Evener, steel...	Rock Island Gangs, Rock Island Triple Gangs, Rock Island Sulkies.....	141	Taca
126	Combination 5-horse Tandem Evener, steel...	Rock Island Gangs, Rock Island Triple Gangs, Rock Island Sulkies.....	124	Tacd
127	Combination 4-horse Tandem Evener, steel...	Rock Island Gangs, Rock Island Triple Gangs, Rock Island Sulkies.....	76	Tace
128	Combination 4-horse-abreast Evener, steel....	Rock Island Gangs, Rock Island Triple Gangs, Rock Island Sulkies.....	110	Taci
129	Combination 3-horse-abreast Evener, steel....	Rock Island Gangs, Rock Island Triple Gangs, Rock Island Sulkies.....	45	Tacl
130	Combination 2-horse doubletrees, steel.....	Rock Island Gangs, Rock Island Triple Gangs, Rock Island Sulkies.....	25	Tacm
131	3-horse Equalizer, steel.....	Rock Island Sulkies.....	50	Tacn
132	6-horse-abreast, steel.....	Disc Harrows.....	155	Taco
133	5-horse-abreast, steel.....	Rock Island Gangs and Disc Harrows..	130	Tacs
134	6-horse-abreast, wood, 10' 4" main bar.....	No. 13 2-Row Lister.....	150	Tact
135	Comb. 4 and 5-horse, wood, as a 5-horse.....	Disc Harrows.....	57	Tactad
136	6-horse-abreast, wood.....	Disc Harrows.....	79	Tactas
137	4-horse-abreast, wood.....	Listers and No. 2 "TBX" Sulky.....	55	Tactast
138	6-horse-abreast, wood, 13' 8" main bar.....	Listers (Cotton and Corn); Spaces cen- ter horses 2 rows apart.....	131	Tacted
139	4-horse, wood.....	299 Planter.....	89	Tactest
139	5-horse, wood, for 2-pole planter only.....	299 Planter.....	110	Tactex



No. 100—2-Horse Common—Wood

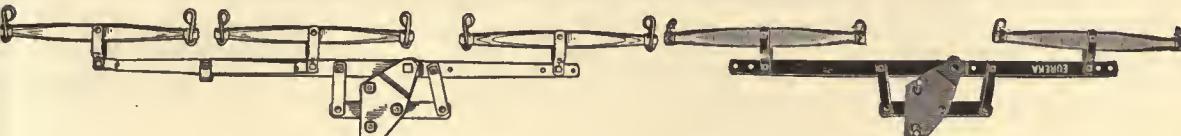
Rock Island Eveners are made in various styles to suit not only our different implements, but similar implements or tools manufactured by other concerns. All wood parts are well seasoned and of good dimension. Ends of eveners are bolted or riveted to prevent splitting. Singletree hooks are put on by hydraulic

pressure and will not come off. The steel eveners are made of the very best high carbon steel and have proven their ability to stand the hardest strain. The singletree hooks are automatically locked after the traces are hooked on.



# Rock Island Eveners for Every Purpose

## Eureka All-Purpose Evener



No. 120 Eureka, for 2 or 3 Horses—All Steel

The Eureka is an all-steel evener, perfectly adapted for plows, wagons, seeders, disc harrows, harvesters, manure spreaders, rollers, or any pole implement where two horses are worked on one side of the pole and one

on the other, but is not intended for implements having no pole. It can be quickly changed from a two-horse to a three-horse, or vice versa.

## Rock Island Eveners for Plows

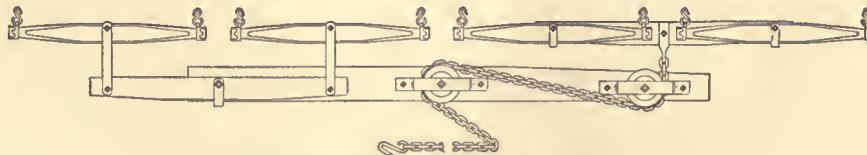


No. 104 Combination "Perfect" Equalizer—2 and 3-Horse

No. 104 is a combined two and three-horse equalizer. The ends of irons on which the center horse pulls are raised so singletrees cannot strike clevis pin, and each

horse must pull his part of the load. It is easily changed to a two-horse evener. Very strong and substantially made. Just the style of evener for all-purpose work.

## Rock Island N. S. D. Evener

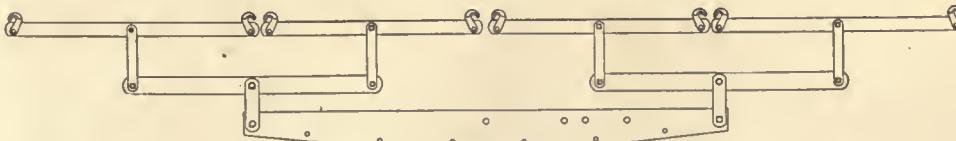


No. 107—4-Horse N. S. D. (no side draft)—Wood

No. 107 is a very popular Sulky and Gang evener. It allows the horses to walk perfectly straight and gives

each horse plenty of room. No rubbing of horses' legs. Can be used on practically all makes of plows.

## Rock Island No. 105A 4-Horse Gang Plow Evener



No. 105A—4-Horse Gang Plow Evener

No. 105A Steel Evener is built to work on the Rock Island No. 8 Gang, but can be used on many other implements. It is made from select material only, and

will withstand heavy pulling strain. The outside singletrees are 32 inches long, allowing more room for the horses than any other similar evener.



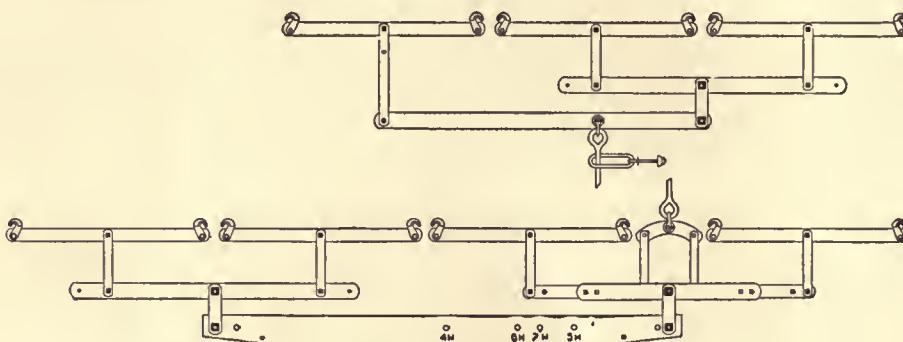
## Rock Island Eveners for Plows

Rock Island No. 124—Seven-Horse Steel Evener  
Can be made into the following combinations:

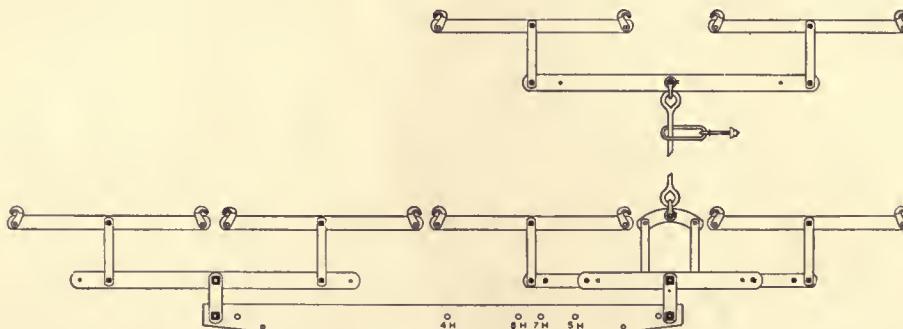
No. 124—7-Horse Tandem  
No. 125—6-Horse Tandem

No. 126—5-Horse Tandem  
No. 127—4-Horse Tandem  
No. 130—Plain 2-Horse Doubletree

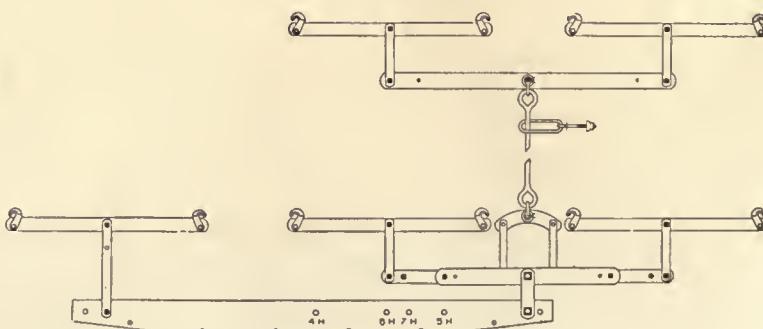
No. 128—4-Horse-Abreast  
No. 129—3-Horse-Abreast



No. 124—7-Horse Tandem



No. 125—6-Horse Tandem

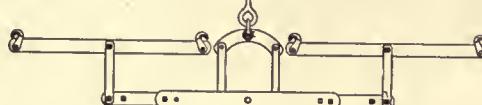


No. 126—5-Horse Tandem



## ROCK ISLAND EVENERS FOR PLOW No. 124—Continued

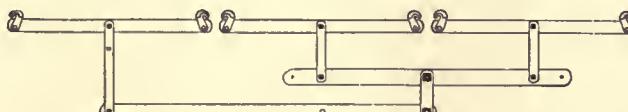
All singletrees are the same length, and all the different combinations of the No. 124 Evener work without bind or twist, equalizing the draft perfectly. Every large farm should have one



No. 127—4-Horse Tandem



No. 128—4-Horse-Abreast

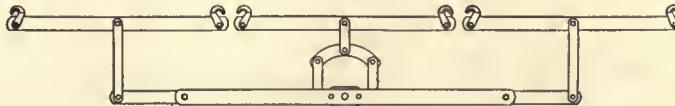


No. 129—3-Horse-Abreast



No. 130—2-Horse

## No. 131 Sulky Plow Evener



No. 131—Sulky Plow Evener

THREE-HORSE steel evener for Sulky Plows. Very strong and durable. Neat and trim in appearance. Compact and convenient



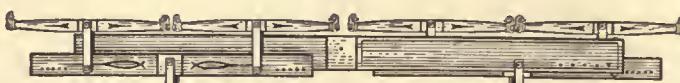
## Rock Island Eveners for Listers

### No. 137 Wood Evener—Combined 3 and 4-Horse

(For Single-Row Listers and Sulky Plows Equipped with Middle Breaker or Sweep)



No. 137—Combination 3 and 4-Horse Evener (Set as 4-Horse Spread Out)



No. 137—Combination 3 and 4-Horse Evener (Set as 4-Horse Closed Up)



No. 137—Combination 3 and 4-Horse Evener (Set as 3-Horse Evener)

### No. 134—6-Horse Abreast Wood Evener



No. 134—6-Horse Hitch, furnished regular on No. 13 Two-Row Lister  
10' 4" Main Bar Spaces Center Horses One Row Apart  
Used Generally in Listing Corn

### No. 138—Six-Horse-Abreast Wood Evener



No. 138—6-Horse-Abreast Lister Evener  
13' 8" Main Bar Spaces Center Horses Two Rows Apart  
Used Generally in the South for Cotton and Corn

## Rock Island Eveners for Disc Harrows



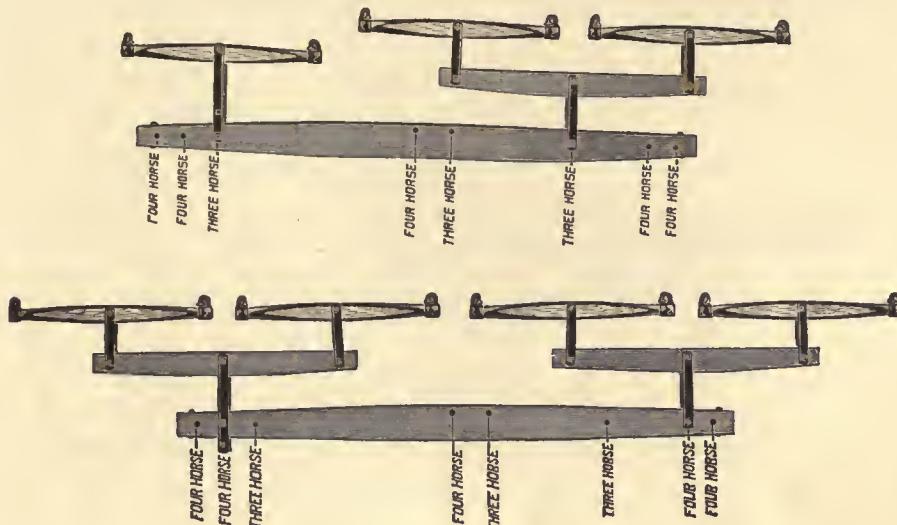
No. 121—3-Horse Disc Harrow Evener—Wood

THE above is our regular three-horse evener for Disc Harrows, but can also be used with many other implements



## Rock Island Eveners for Disc Harrows—Continued

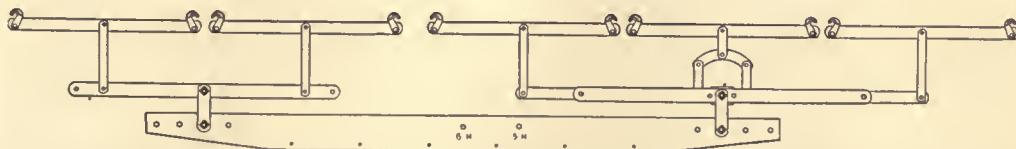
### No. 122—Three and Four-Horse Evener—Wood



No. 122—3 and 4-Horse Disc Harrow Evener

This combination evener is regularly furnished with disc harrows having four or more discs. It can be quickly adapted to either three or four horses, and is suitable for a wide range of farm work.

### No. 133—Five-Horse-Abreast—Steel



The No. 133 All Steel Evener with automatic locking singletree hooks can be used as a 5-horse abreast gang plow evener where one horse walks on plowed ground. Most generally used on disc harrows.

### No. 132—6-Horse-Abreast—Steel

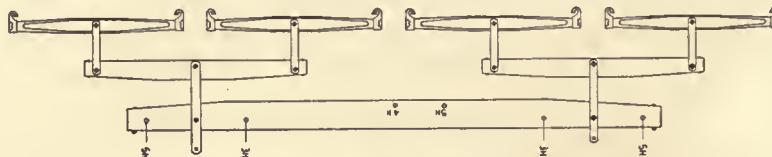


An exceptionally strong main bar, with two No. 131 All Steel 3-horse Eveners. Used for large size disc harrows.

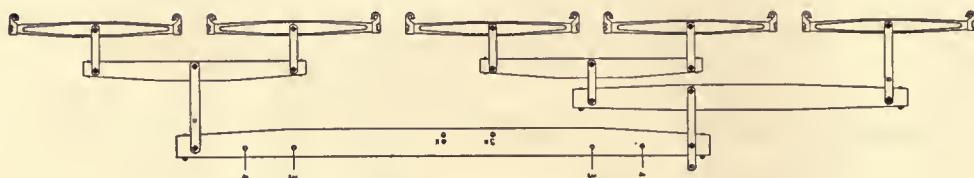


## ROCK ISLAND EVENERS FOR DISC HARROWS—Continued

## No. 135—Combination 4 and 5-Horse—Wood

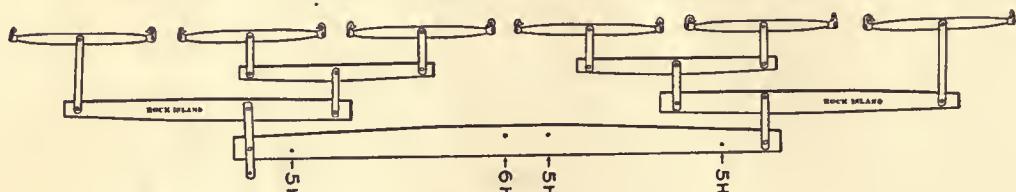


Set as a 4-Horse Evener

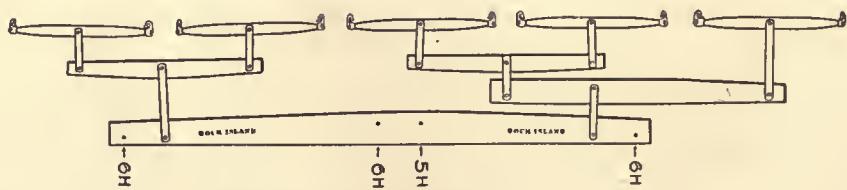


Set as a 5-Horse Evener

## No. 136—Five and Six-Horse-Abreast Wood Evener



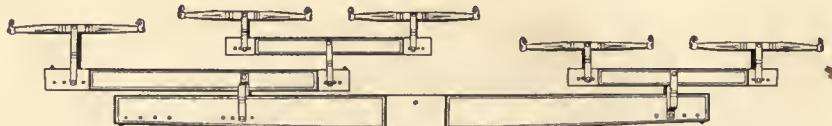
Set as a 6-Horse Evener



Set as a 5-Horse Evener

## Rock Island Eveners for Two-Row Cotton and Corn Planters

## No. 139 Wood Evener for No. 299 Planter



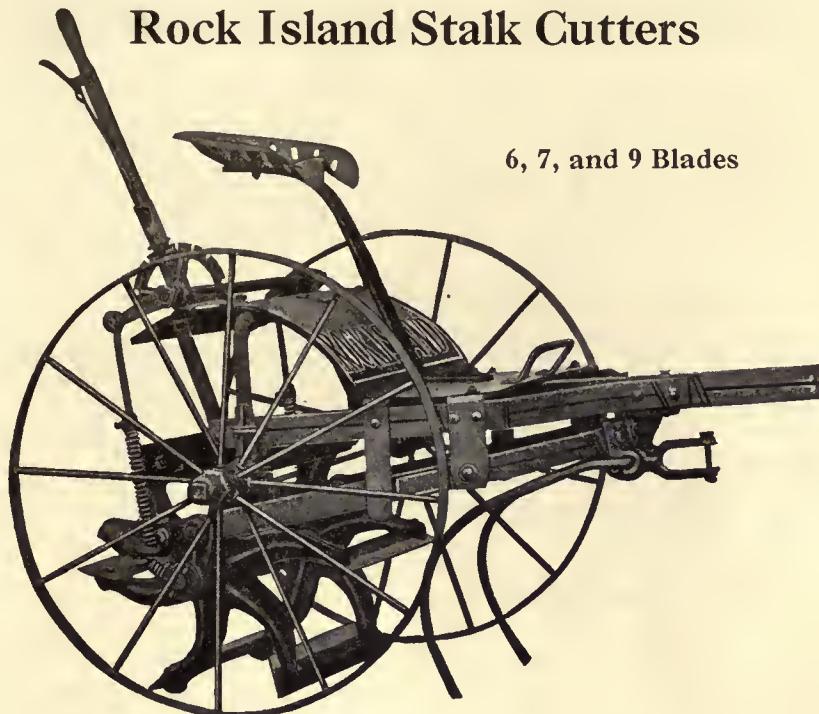
No. 139—Combination 4 and 5-Horse Evener (Set as 5-Horse)



No. 139—Combination 4 and 5-Horse Evener (Set as 4-Horse)



## Rock Island Stalk Cutters



6, 7, and 9 Blades

### Rock Island No. 28 Single Row Stalk Cutter

ROCK ISLAND STALK CUTTERS are unequalled for effective work, easy handling, and easy riding. They are strongly built, every detail having been carefully worked out. All unnecessary parts are done away with, making a simple construction that will not get out of order and give trouble.

In general design and construction the Single Row and Double Row are similar. The spring pressure device, relief spring, drag hooks, and cutter head are the same. All sizes of Rock Island Stalk Cutters are equipped with sharp, double edged, reversible knives. When one edge becomes dulled through long use, just reverse the knife to get another keen cutting edge.

#### Cutter Head Is Spring Cushioned

The cutter head is mounted on a frame connected to the carriage of the machine by a double set of springs, which absorb the shock of cutting. It is not closed and has no shaft

for stalks or weeds to wrap around to prevent head from operating. That is one big reason why Rock Island Stalk Cutters are light draft. The depression springs connected to the cutter heads can be adjusted to throw as much or as little weight on the knives as may be desired.

#### Hard Maple Bearings

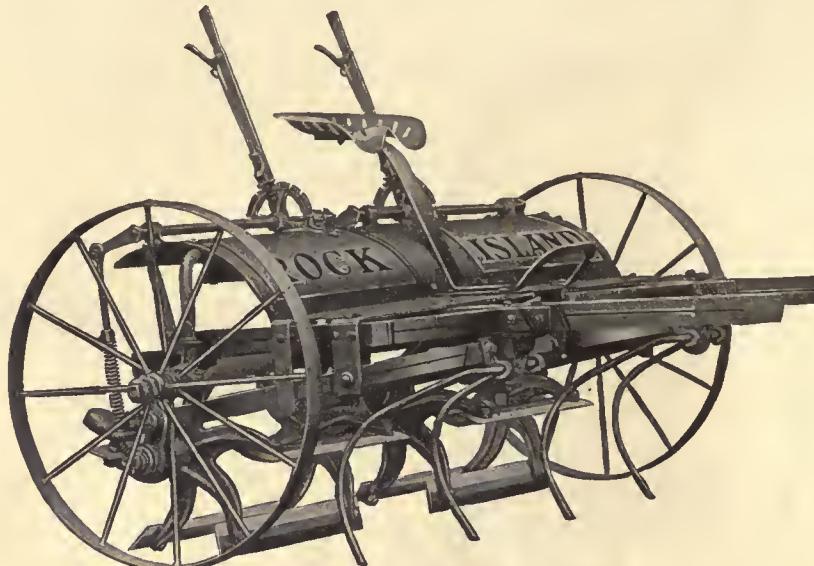
The bearings are removable and are made of hard maple boiled in oil. Long experience has proven that this makes the most durable and best possible bearing for the purpose. The journal is also removable instead of having the head cast around, making it very easy to replace at a slight cost when worn.

#### Drag Hooks

The drag hooks are automatically raised and lowered with the cutter head. When lowered for use, they are held firmly to the ground by the draft of the team.



## ROCK ISLAND STALK CUTTERS—Continued



Rock Island No. 29 Double Row Stalk Cutter

## Crank and Connecting Rod

The crank and connecting rod can be set in a straight line when at work by setting lever in the last notch to the rear. This is a strong point, as it removes the torsion or twisting strain from the rock shaft, relieves the strain on the entire machine, and reduces the weight on the necks of the horses. The pressure spring rests squarely on its seat when the crank and connecting rod are in line. This prevents the spring from buckling and gripping the connecting rod, permits free action of the spring, and avoids wear on the spring and rod.

## Reinforced Hood

Rock Island Stalk Cutter hoods are all reinforced and heavily braced. This prepares them for the hard usage and abuse they are bound to get and protects the driver, so that he is in no danger while operating the cutter. For greater convenience, a foot rest has been placed within easy reach of the operator, so that it is comfortable for either tall or short men to operate.

## Two Levers on the Two-Row Cutter

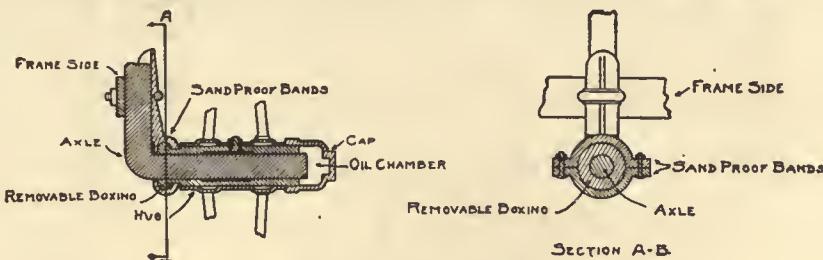
The cutter heads on the two-row machine are handled by separate levers, making it easy



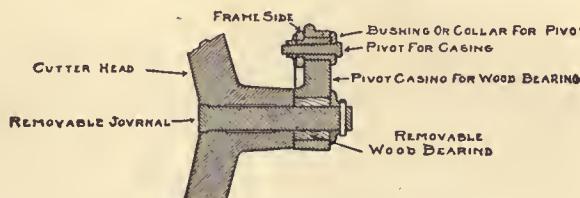
Wood (Hard Maple) Bearing for Cutter-Head



## ROCK ISLAND STALK CUTTERS—Continued



Detail of Axle and Hub



Detail of Cutter Head and Bearings

for a boy to operate the machine. On the one-row machine a single lever operates the cutter head. When the levers are thrown backward and locked, the cutter head is ready for work; when thrown forward, the cutter head is raised from the ground.

### Strong Construction

The wheels are very strong, with staggered spokes, steel hubs and dust-proof boxes with removable caps.

In order to give the double-row cutters extra strength, the axle is extended clear across the frame. A heavy truss brace also passes from one side to the other, giving remarkable strength and rigidity to the steel frame.

### Advantages of a Double-Row Stalk Cutter

Three horses, one man, and a Rock Island Double-Row Stalk Cutter can do the work of four horses, two men, and two single-row cutters. Particular care has been taken to make this tool balance well, so that it is just as easy on the horses as the smaller machine.

The Double-Row Cutter is equipped with a neckyoke for three horses, together with a special three-horse evener. With this evener the horses can walk between the rows and perfectly equalize the draft.

### Specifications

#### Rock Island Steel Frame Stalk Cutters

Single Row is shipped without doubletrees or neckyoke.  
Double Row is shipped with three-horse evener.

No.	DESCRIPTION	Weight	Telegraph Code
28	Rock Island, 6-blade.....	413	Olivile
28	Rock Island, 7-blade.....	421	Olivine
28	Rock Island, 9-blade.....	453	Oliva
29	Rock Island, 12-blade.....	810	Omagra
29	Rock Island, 14-blade.....	830	Omber
29	Rock Island, 18-blade.....	890	Ollat

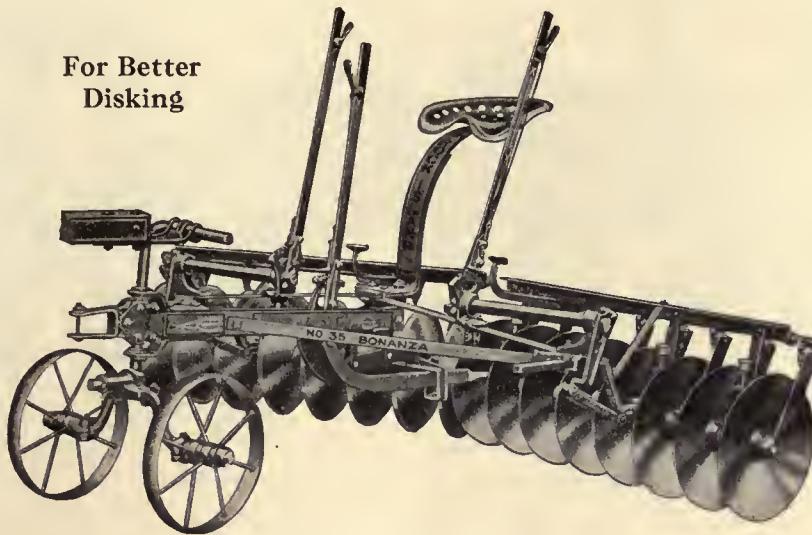
# ROCK ISLAND DISC HARROWS penetrate, pulverize and pack the soil for better crops





## Gangs Angle from the Outer Ends

For Better  
Disking



### Rock Island No. 35 Bonanza Disc Harrow

FOR over twenty years the Rock Island No. 35 "Bonanza" Disc Harrow has proved its ability to do a complete job of disking with less trouble for the driver and less strain on the harrow than experienced with any ordinary disc.

#### A Patented Rock Island Feature

It is the harrow with *gangs angled at the outer ends* instead of the inner ends. Being angled from the outer ends, the bumpers of the Rock Island "Bonanza" Disc Harrow are the pivotal points and always remain stationary. No matter if one gang is running at a very slight angle and the other at an extreme angle, the inner discs cannot ride or cut into each other. When you angle the discs, you pull the load up closer to the team, giving a shorter hitch and lighter draft.

#### Pressure Is Always Constant

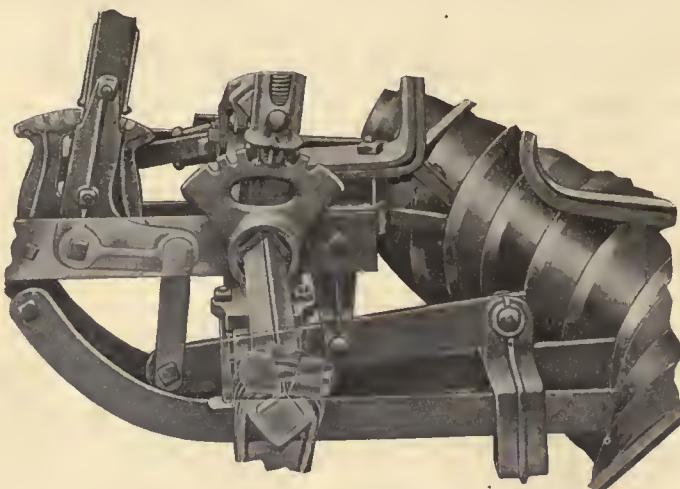
Angling the gangs from the outer ends also makes it a much easier and more simple matter

to apply pressure to the proper extent and to the proper part of the harrow to disk the entire field at even depth. The proper place to apply the pressure is in the center, at the rear of the cross frame. Then when the gangs are angled from the outer ends, as is the case with the Rock Island "Bonanza," the center remains in a fixed position, which guarantees constant pressure and even penetration at all times.

The desired amount of pressure can be applied instantly to the gangs of this harrow by means of the third or pressure lever. This lever carries the pressure ten inches closer to the gangs than is possible with other harrows—all due to angling from outer end. In uneven fields or in cutting out dead furrows or disking over ridges, the pressure can be increased or decreased by throwing this lever forward or back. It requires very little movement, as the pressure is applied direct to the drawbars closer to the gangs.



## ROCK ISLAND No. 35 BONANZA DISC HARROW—Continued



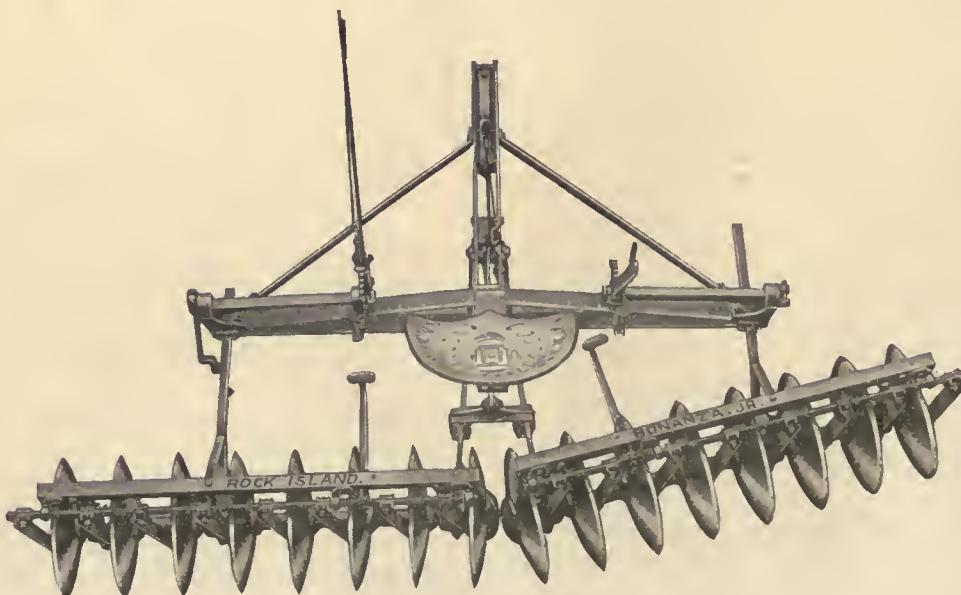
Detail View of Instantaneous Pressure Lever

**Hard Maple Bearings**

These wood bearings are hard maple, boiled in linseed oil and protected from sand and dirt by a flange on the bearing spools and openings at the ends of the lower spool box.

The bearings are oiled by means of grease cups, mounted on oil tubes threaded into the bearing up out of the dirt, and easily filled.

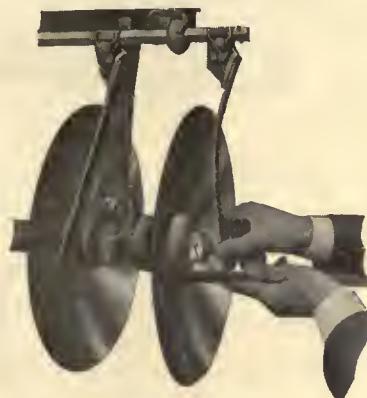
The bearings and boxes are the same—there are no rights and lefts.



Top View of Rock Island Bonanza, Showing How Bumpers Are Always in Same Relative Positions



## ROCK ISLAND No. 35 BONANZA DISC HARROW—Continued

Note the Flexibility of  
Rock Island Scrapers

Center Tooth Attachment

### The Original Spring Steel Scrapers

Rock Island disc harrows are equipped with the original spring steel individually detachable, oscillating disc scrapers. When at rest, the scrapers are near the center of the discs. By means of the foot lever, the scrapers may be held at any point on the discs, or made to sweep across the entire disc from center to outside, cleaning it thoroughly. This prevents trash from clogging the discs or winding around the spool.

The castings are made right and left, which permits the cutting edge of the scraper to conform with the angle of the disc.

The scrapers are set about one-eighth of an inch from the disc when near the center of disc. There is no wear on the scrapers except when in operation. They are set at the proper angle to the disc so that the wear comes on the

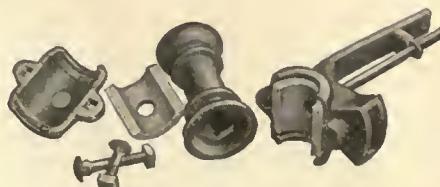
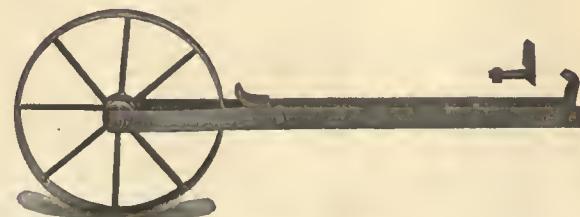
end instead of the side, and, therefore, will not clog.

### Rock Island Transport Trucks

The use of these trucks prevents damage to the discs of the harrow and removes all chances for them to become dull or nicked when being hauled over rough, stony roads, or from one field to another. As hard roads come into general use, transport trucks become a necessity. The trucks not only serve as a protection to the discs of the harrow, and add to the convenience in moving, but also prevent the cutting up of fields and damage to the roads.

### Steel Stub Pole

The steel stub pole will not split or break. With it one can use any of the attachments for Rock Island Discs, such as the fore-carriage, set-over attachment, etc.

Bearings Used on Rock Island  
Disc Harrows

Transport Truck



## ROCK ISLAND No. 35 BONANZA DISC HARROW—Continued

The steel stub pole also makes possible an improved seat spring, which adds greatly to the comfort of the operator when using the Rock Island "Bonanza" or "Defiance" Harrow. It is exceedingly flexible and strong. It is of a double leaf type and made of spring steel.

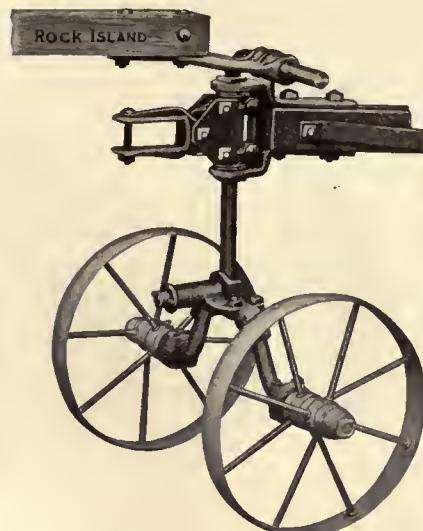
### Set-Over Attachment

The set-over attachment permits the pole to be set to one side so that an odd number of horses may be used. The evener is attached to the under side of the stub pole by a hammer strap.

### Rock Island Fore-Carriage

The Rock Island fore-carriage saves the team and is easier for the operator. It does not change the suction of the discs. It has steel wheels and oval tires. Dust-proof boxes and long-distance axles add to the durability and easy running. The axle is in the shape of an arch. This gives plenty of clearance when working in rough ground or straddling a corn row. The axle is pivoted in the center, allowing either wheel to pass over obstructions without any strain whatever on the horses' necks or the harrow.

The Rock Island fore-carriage will fit any standard disc harrow, and is strong enough for the very largest. In reality, it is a combined fore-carriage and tongue truck, and may be used either with or without the tongue, as desired.



The Rock Island Fore-Carriage Readily Passes Over All Obstructions

The Rock Island fore-carriage is adaptable to be used with either an even or odd number of horses.

### Specifications

Instantaneous center pressure lever.

Double lever. Coulter steel discs.

Oscillating scrapers.

Hard maple interchangeable bearings, boiled in oil.

Tongue trucks, weight boxes, and neckyokes extra; also set-over attachment for pole, 3 and 5 horses. Fore-carriage for 2-, 3-, 4- and 5-horse hitch. Transports.

### Solid Blades

TRADE NUMBER	Number of Discs	Diameter of Discs Inches	Width of Cut Feet	Style of Evener No. of Horses	Shipping Weight Pounds	Telegraph Code
B 8-16	8	16	4	2	388	Logic
B 10-16	10	16	5	2	412	Loin
B 12-16	12	16	6	3	527	Loiter
B 14-16	14	16	7	4	557	Loll
B 16-16	16	16	8	4	589	Lone
B 18-16	18	16	9	4	632	Loned
B 20-16	20	16	10	4	672	Lonet
B 8-18	8	18	4	2	410	Lonely
B 10-18	10	18	5	2	445	Long
B 12-18	12	18	6	3	549	Look
B 14-18	14	18	7	4	600	Loom
B 16-18	16	18	8	4	631	Loop
B 18-18	18	18	9	4	678	Loor
B 20-18	20	18	10	4	718	Loov

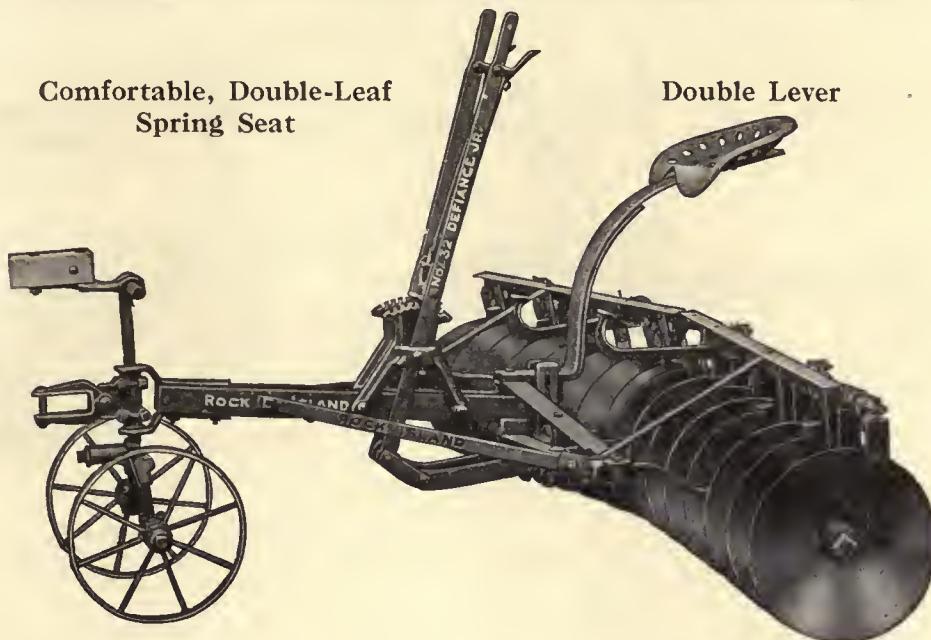
For special eveners, see pages 110, 111 and 112.



# Prepare the Seed Bed for Bigger Crops

Comfortable, Double-Leaf  
Spring Seat

Double Lever



## Rock Island No. 32 Defiance Disc Harrow

ROCK ISLAND No. 32 DEFIANCE is a deep-cutting, light draft disc harrow, which you will find to be both reliable and durable. It is made in five widths, cutting from 6 to 10 feet. All sizes are equipped with double levers. The double levers enable the gangs to be set at different angles for working on the hillside or for double disking. The gangs angle at the center. On the "Defiance" the center pressure is applied by an adjustable pressure casting.

### General Construction

The frame is steel-trussed, supported by steel pole braces placed edgewise. This construc-

tion is amply strong to withstand the most severe work and, at the same time, holds the outer ends down perfectly rigid, keeping the gangs level, so they will penetrate to an even depth. The discs are properly shaped to penetrate deep and pulverize the soil.

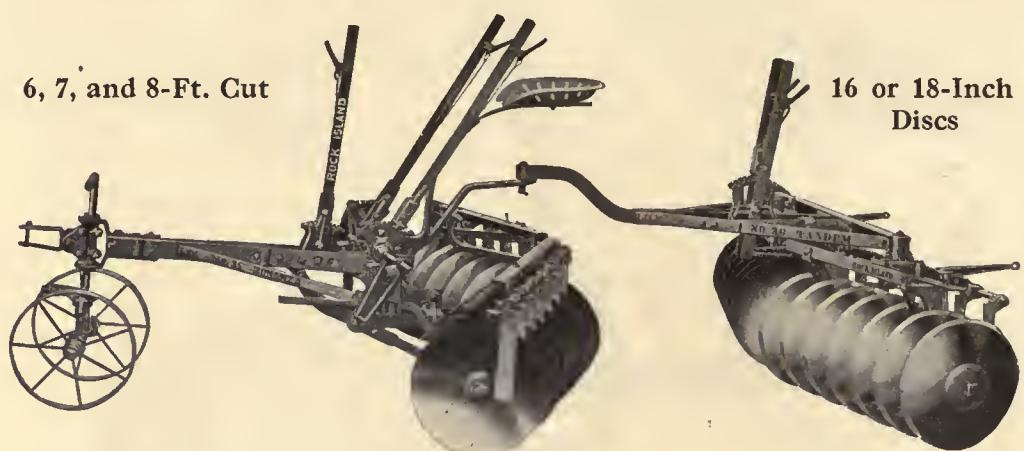
The "Defiance" is equipped with steel stub pole; hard-maple, oil-soaked bearings, and oscillating spring steel scrapers described in detail on pages 118 and 119. Transport trucks, set-over attachment, and fore-carriage are described in detail on page 119. For special disc harrow eveners, see pages 110, 111 and 112.

### Specifications

TRADE NUMBER	NO. OF DISCS	DIAMETER OF DISCS INCHES	WIDTH OF CUT FEET	STYLE OF EVENER NO. OF HORSES	SHIPPING WEIGHT POUNDS	TELEGRAPH CODE
D-12	12	16	6	3	476	Lurch
D-14	14	16	7	4	506	Lust
D-16	16	16	8	4	538	Luster
D-18	18	16	9	4	579	Lute
D-20	20	16	10	4	639	Luxury
D-12	12	18	6	3	518	Lynx
D-14	14	18	7	4	548	Lyric
D-16	16	18	8	4	580	Lythe
D-18	18	18	9	4	606	Mab
D-20	20	18	10	4	626	Mabie



## Double Disk in One Trip over the Field



### Rock Island No. 36 Tandem Attachment for Disc Harrows

THE ROCK ISLAND Tandem Attachment for Disc Harrows is strong and durable, easily attached, and will mean a great saving to your customer in preparing his land.

By the use of the Rock Island Tandem Attachment he is able to double disk land in one trip over the field—a saving in labor cost, and a great advantage when a late season necessitates the hurried preparation of the ground for planting.

It leaves the land perfectly level and in an ideal condition for a seed bed. This means the earlier germination of seed and a stronger and more thrifty crop, which will add to his profit at harvest.

The Rock Island Tandem Attachment is

capable of the hardest usage, and works successfully under the most adverse conditions. The frame is angle and bar steel, well braced, very strong, and rigid.

The attachment is equipped with two levers which give independent adjustment of the gangs. They may be set for working at different angles, if ever so desired.

The pivoting point of the frame is directly under the seat. This makes possible a quick turn in as short a radius as when using a single harrow, and permits closer working up to the corners.

The bearings used on the Rock Island Tandem are of the same type as those used on the regular harrows.

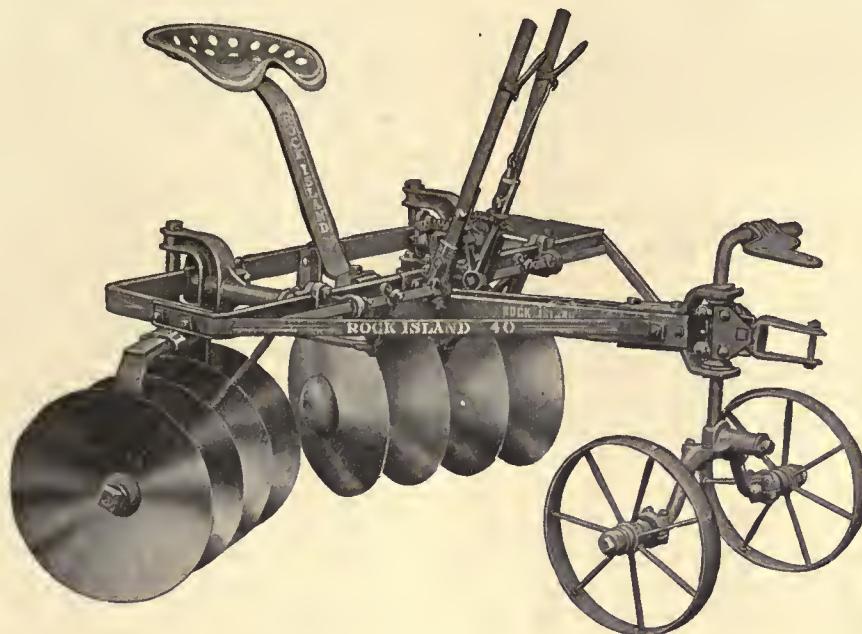
### Tandem Attachment for

#### Bonanza and Defiance Disc Harrows with Steel Stub Tongue and Oscillating Scrapers

TRADE NUMBER	Number of Discs	Diameter of Discs Inches	Width of Cut Feet	Shipping Weight Pounds	Telegraph Code
T-12-16	12	16	6	382	Omi
T-14-16	14	16	7	416	Omib
T-16-16	16	16	8	466	Omic
T-12-18	12	18	6	432	Omid
T-14-18	14	18	7	474	Omif
T-16-18	16	18	8	510	Omig



## Disc Harrows for Field or Orchard



### Rock Island No. 40 Reversible Disc Harrow with Steel Stub Pole

In addition to ordinary field work, the Rock Island No. 40 Reversible Disc Harrow is especially adapted to the cultivation of orchards, vineyards, corn, cotton, and all crops planted in rows or hills.

The frame is wide enough to permit the inner ends of gangs to be placed as far apart as required for use as a cultivator, and also far enough to cultivate under vines and small trees.

The rear bar of the frame, which receives the strain of the end thrust of the gangs, is made of high carbon steel, heavy and rigid.

An extra wide frame can be furnished for use in vineyards or orchards.

The seat is placed well back. This helps to balance the harrow when used without tongue

truck, and permits the driver to watch its work when used as a cultivator.

#### Out-Throw or In-Throw

When the gangs are set for throwing out, they can be set close together, just like an ordinary disc harrow.

It is very easy to reverse the gangs. Remove one cotter from each lever-connecting strap and one bolt from each gang brace. Turn the gangs around and put in your bolts and coppers.

Scrapers are not usually needed, and are furnished only on special orders at extra charge. They are attached to each gang by only two bolts, and can be quickly changed when the gangs are reversed. They can be instantly locked out of contact with the discs by foot levers within easy reach of the operator.



## ROCK ISLAND No. 40 REVERSIBLE DISC HARROW—Continued

## Adjustment of Gangs

The square rock shaft for lever and connections does away with superfluous joints and lost motion, while providing easy adjustment of width—no parts disconnected or removed to change width.

The gangs may be tilted as desired for ridges or trenches—very easy to adjust.

The full movement of the lever may be used with the gangs set for either out-throw or in-throw. For out-throw the levers are in the extreme rear notch of ratchets when gangs are straight; for in-throw they are in extreme forward notch.

This feature gives you a chance to angle the gangs as much as desired—far more than if levers were at centers of ratchets with gangs straight. When you need power on the lever, you *always apply it by pulling*—never by pushing.

## Bearings

All the bearings for the axles or spools of the gangs are made of hard maple, boiled in linseed oil. Nothing better for this purpose has yet been found. These wood bearings are protected from sand and dirt by flanges on the bearing spools.

## Fore-Carriage

This harrow is furnished with or without the fore-carriage, and (for two horses) with or without the tongue.

The fore-carriage can easily be attached later as all the necessary holes are in the tongue and stub tongue.

This is the regular Rock Island Fore-carriage. It is the same as furnished for our standard disc harrows. It will fit any of them, and is strong enough for the very largest.

Up-and-down adjustment is provided to give just the right height to the stub tongue.

The axle is arched, to clear ridges and obstructions and keep the center bearing out of the dust and dirt.

The wheels are 16 inches high, with wide oval tires, staggered spokes and dust-proof magazine hub boxes.

## Eveners

Harrows with eight or ten discs are furnished regularly with 2-horse evener. A 3-horse evener can be furnished at a small advance in price, if desired, for use without tongue.

Neckyoke furnished only as an extra.

## Specifications

TRADE NUMBER	Number of Discs	Diameter of Discs Inches	Width of Cut Feet	Shipping Weight Pounds	Telegraph Code
R- 6-16 Solid Discs . . . . .	6	16	3	365	Manilara
R- 6-18 Solid Discs . . . . .	6	18	3	383	Manilate
R- 8-16 Solid Discs . . . . .	8	16	4	377	Manner
R- 8-18 Solid Discs . . . . .	8	18	4	394	Mantle
R-10-16 Solid Discs . . . . .	10	16	5	394	Manx
R-10-18 Solid Discs . . . . .	10	18	5	421	Many
3-foot Scrapers, extra (solid)	..	..	..	24	Maple
4-foot Scrapers, extra (solid)	..	..	..	27	Mar
5-foot Scrapers, extra (solid)	..	..	..	30	Marble
Extra Wide Frame, extra . . . . .	..	..	..	61	Maret



"Heider" Tractor and Rock Island No. 37  
Tractor Disc Harrow



Rock Island  
No. 37  
Tractor  
Disc  
Harrow

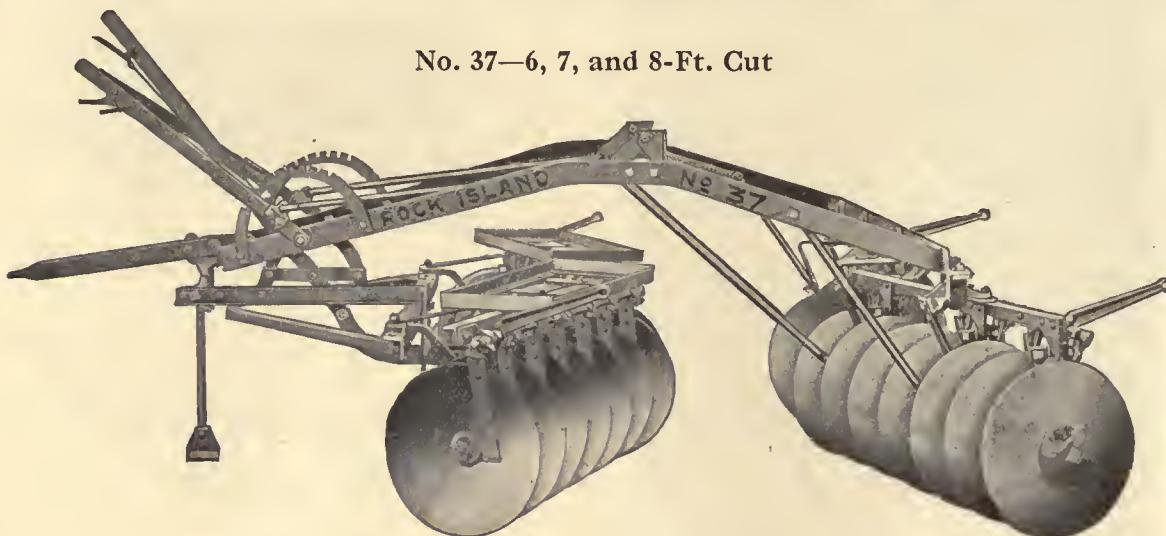


Rock Island No. 37 Tractor Disc Harrow and Fordson Tractor



## Lever Controlled Tractor Disc Harrows

No. 37—6, 7, and 8-Ft. Cut



### Rock Island No. 37 Tractor Disc Harrow

THE Rock Island No. 37 Tractor Disc Harrow will work behind any make of tractor. It is so evenly balanced and correctly designed for adapting itself to the varying conditions of the ground that a very thorough job of disking is done.

The No. 37 is truly a one-man tractor disc harrow. It is absolutely under control of the tractor operator at all times, whether in motion or standing still, without the necessity of the operator leaving the cab.

#### Three Levers Operated from Tractor Control the Discs

The center lever controls the right and left sections of the front harrow, while the levers on the right and left side control the right and left sections of the rear harrow. It is absolutely necessary under certain conditions to be able to adjust the angle of rear harrow less than the angle of the front harrow. This can be done instantly with the No. 37.

Your customers will appreciate this one-man control in the spring of the year, when the ground is in a moist or wet condition. Then the angle of the discs must necessarily be

changed frequently in order to pull through. With the Rock Island No. 37 he can quickly set discs at any angle without leaving the tractor or stopping the engine.

In a wet field, after the tractor loses its traction, he does not have to depend on the tractor to angle the discs or take out the angle by stopping and backing up. With the Rock Island lever control he simply eases the load by taking the angle out with the levers.

#### Independent Flexible Gangs

The extreme flexibility in both front and rear gangs is an exclusive feature with the No. 37.

The rear frame runs forward, over the top of the front frame, and is connected to the draw bar of the tractor, while the frame of the front harrow is pivoted both laterally and vertically to the rear frame.

This connection is the same as though the front and rear harrows were being pulled independently. Thus either section can turn independently, and each section is also flexible vertically. This is an exclusive, patented feature.

## ROCK ISLAND No. 37 TRACTOR DISC HARROW—Continued

This feature can be better appreciated when working in rough or hilly ground, as either set of gangs goes into depressions and ridges irrespective of the other.

The center pressure for the front harrow can be easily adjusted to meet the requirements in working over ridges or depressions in the field. The rear harrow also has an adjustment for leveling the gangs.

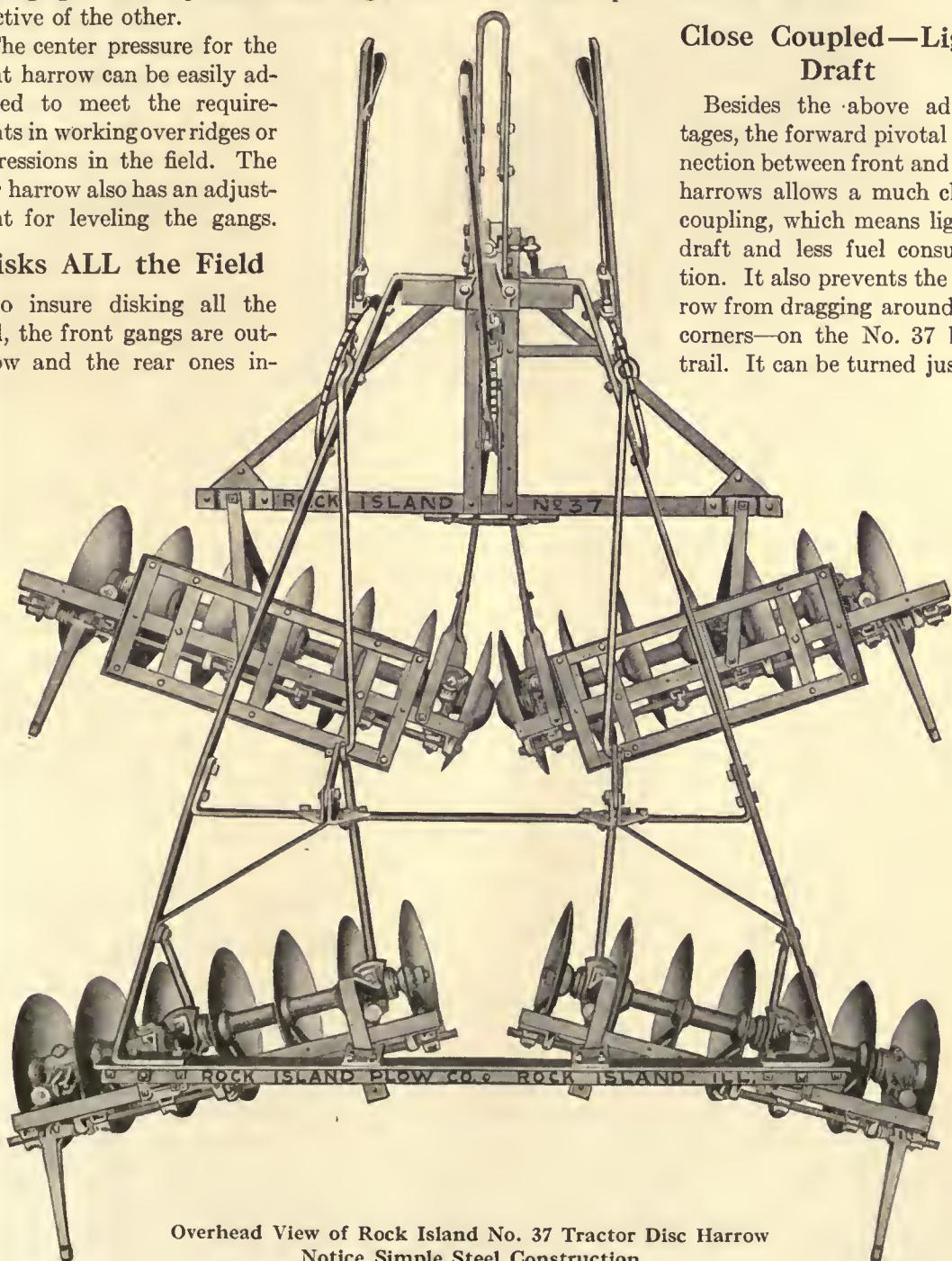
### Disks ALL the Field

To insure disking all the field, the front gangs are out-throw and the rear ones in-

throw. The rear discs are spaced so, that they cut the ground left between the front discs. All the soil is pulverized and left level.

### Close Coupled—Light Draft

Besides the above advantages, the forward pivotal connection between front and rear harrows allows a much closer coupling, which means lighter draft and less fuel consumption. It also prevents the harrow from dragging around the corners—on the No. 37 both trail. It can be turned just as



Overhead View of Rock Island No. 37 Tractor Disc Harrow  
Notice Simple Steel Construction



## ROCK ISLAND No. 37 TRACTOR DISC HARROW—Continued



Rock Island  
Oscillating  
Scrapers

short as any tractor, yet it is impossible for the front discs to cut into the rear ones, as both gangs turn independently.

### Rock Island Oscillating Scrapers

The famous Rock Island Oscillating Scraper is furnished regularly on the No. 37, and is known universally as "the scraper that really scrapes." The scraper blades are made of spring steel, almost impossible to break, and always spring back to position. One scraper can be taken off without removing the others. They are made right and left, which permits the cutting edge to conform with angle of disc. This scraper keeps the center of disc clean, which is all that is necessary under ordinary conditions, but in severe conditions, by means of a rope, can be oscillated the same as on a horse-drawn harrow.

### Built Strong

Any implement to be used behind a tractor must be built to stand hard usage. This fact is given careful consideration in the Rock Island No. 37. It is built comparatively light in weight, but is so constructed that it meets every requirement and withstands heavy tractor work.

The front frame is angle steel securely riveted, while the frame for the rear harrow is

built of angle and flat high carbon stock in a triangular shape—the strongest possible construction. Yet to give it still further strength, the rear frame is cross-braced with heavy steel braces. These also form supports for the connections of the rear gangs.

The entire harrow is built of steel, except the boxings, spools and a few connecting castings.

### Plenty of Clearance

The No. 37 tractor disc has ample clearance under both harrows—it saves time and lessens the draft. *You do not have to stop to pull trash and weeds from under the frame.* This also means lighter draft, for you will not be pulling excess weight. Both sections have exceptionally high frames.

### Gangs Can Be Used Independently

If for any reason you want to use the front or rear harrow independently of the other, disconnect either one.

### Three Sizes—6-ft., 7-ft., and 8-ft.

The No. 37 is made in three sizes—6-ft., 7-ft. and 8-ft. cut. Ordinarily the 6-ft. cut is recommended for tractors having 5 to 6 H.P. on draw-bar; 7-ft. harrows for tractors having 6 to 8 H.P. on draw-bar, and the 8-ft. size for tractors with draw-bar pull of 8 H.P. and over. Varying soil conditions, however, do not make this a set rule.

Either 16 or 18-in. solid discs can be furnished.

### Adjustable Hitch

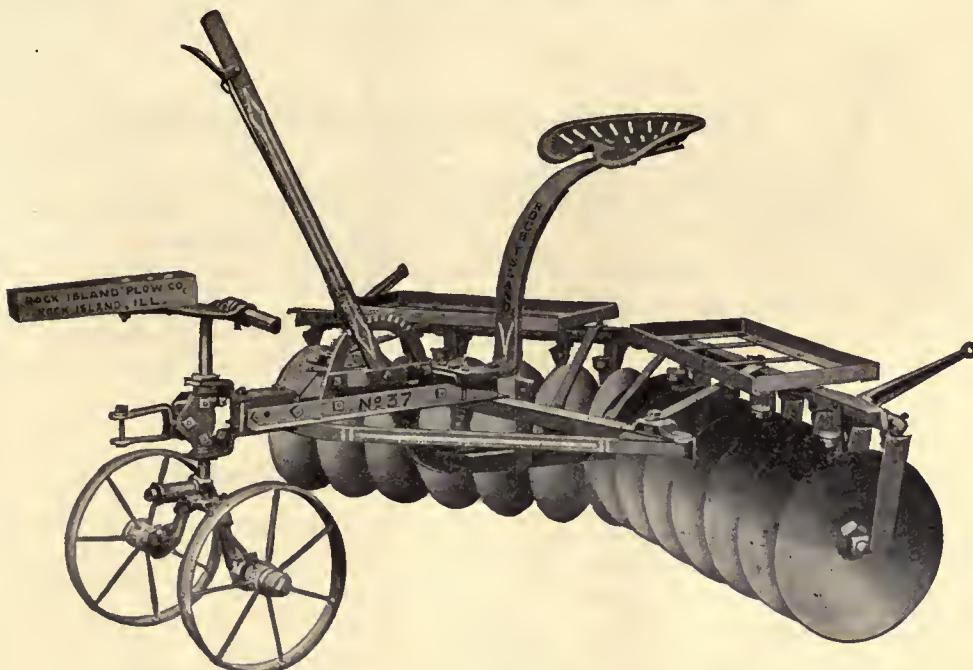
The hitch on the No. 37 is adjustable in length as well as in height, and *can be used with all makes of tractors*, being especially adapted for use behind the smaller type.

### Weight Boxes

Weight boxes are furnished as regular equipment for front harrow and as extra equipment for rear harrow. On both harrows they are mounted directly over discs centrally on gang, insuring even penetration at all times.



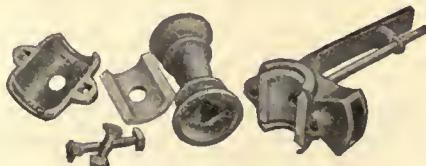
## ROCK ISLAND No. 37 TRACTOR DISC HARROW—Continued



Rock Island No. 37 Equipped as a Horse-Drawn Disc Harrow

## Bearings

The boxings are equipped with the famous Rock Island maple-wood bearings boiled in oil. Each boxing has a hard oil cup, placed sufficiently high to keep it out of the dirt and prevent it from working off. The wood boxings take the end thrust of the discs.



Bearings Used on Rock Island Disc Harrows

## Transport Trucks

Transport trucks are especially useful for pulling the harrow over roads or from one field to another. They raise the discs clear of the ground, saving both discs and road. They can be furnished at slight additional cost.

## Easily Converted Into a Horse-Drawn Disc Harrow

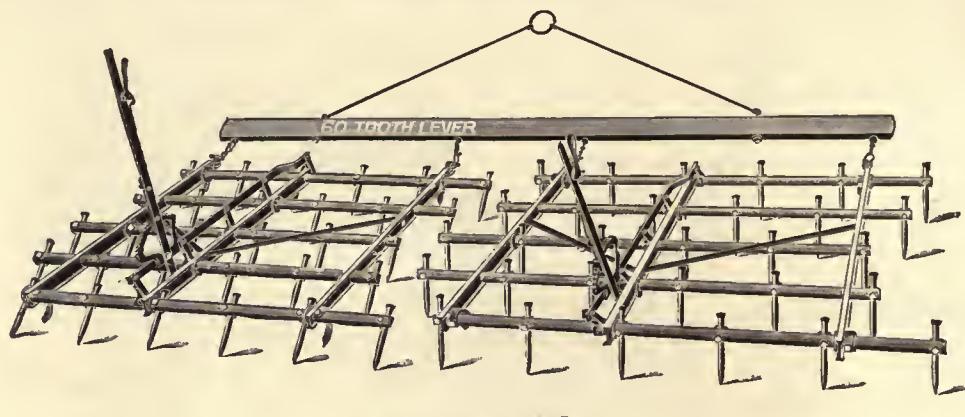
The front section of the No. 37 harrow can be detached and converted into a horse-drawn harrow by ordering a seat attachment. When used as a horse-drawn harrow a fore-carriage must be used.

TRADE NUMBER	Number of Discs	Diameter of Disc Inches	Width of Cut Feet	Shipping Weight Pounds	Telegraph Code
24-16	24	16	6	814	Mangor
24-18	24	18	6	928	Mangora
28-16	28	16	7	906	Mangorat
28-18	28	18	7	937	Mangoz
32-16	32	16	8	966	Mangozab
32-18	32	18	8	996	Mangozate

Special equipment: Weight boxes—transport trucks, seat attachment, fore-carriage and tongue attachment.



## Rock Island Drag Harrows



Harrow with 5 Bars

### Rock Island U-Bar Steel Lever Harrow

ROCK ISLAND U-Bar Steel Lever Harrows have the strength, without unnecessary weight, to get right down to work and keep at it with minimum breakage or loss of teeth in the hardest kind of soil conditions.

One big reason for the satisfaction given by the Rock Island U-Bar Harrow is the method of attaching the teeth. The teeth are clamped and bolted securely to the U-Bar. They are headed, making it almost an impossibility to lose any teeth. These teeth may be lowered when they wear down or to give different depths of penetration, may be turned around to present a new



sharp-cutting edge or removed entirely for sharpening.

The teeth can be set forward for deeper work or set back to insure more steady and level running. The saw-tooth ratchet permits unusually close adjustment.

Steel runners are fitted to each corner of the section. When the levers are thrown to their extreme forward position for transporting, the teeth are lifted off the ground and the shoes carry the entire harrow. There are no bars below the harrow to gather trash or to clog when at work.

Five-bar sections have 25, 30 and 35  $\frac{9}{16}$ -inch square teeth to the section.

### Specifications

Open End.

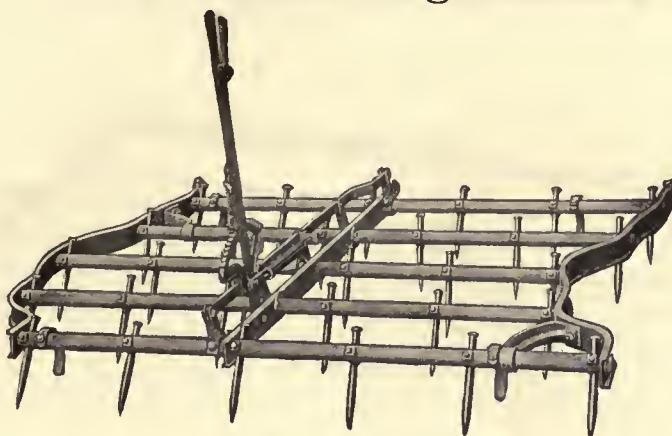
Extra—Bent Levers for Orchard Work.

$\frac{9}{16}$ " Steel Teeth.  
Complete with Eveners.

TRADE NUMBER	No. Sections	No. Teeth	Width of Cut Feet	No. Evener	Shipping Weight, Pounds	Telegraph Code
186	2	50	8	5	177	March
187	2	60	10	1	202	Marcid
188	2	70	11	17	230	Marl
189	3	75	12	6	276	Mare
190	3	90	15	2	315	Margin
191	3	105	17	18	367	Maroon
192	4	100	16	8	372	Mark
193	4	120	20	4	434	Market
194	4	140	22	20	495	Marry



## Rock Island Drag Harrows



U-Bar, Guarded End

### Rock Island Guarded-End, Steel Lever, U-Bar Harrow

EXTREME strength and a great degree of flexibility are distinguishing features of the Rock Island Guarded End, Steel Lever Harrow. The tooth bars extend through the  $2\frac{3}{8}$ -inch channel steel end bars, and are securely fastened by the use of heavy steel washers and spring cotters. Flanges of the end bars extend out, protecting the tooth bars and preventing their catching on obstructions.

Heavy corner malleable braces hold the harrow square at all times without interfering with its flexibility.

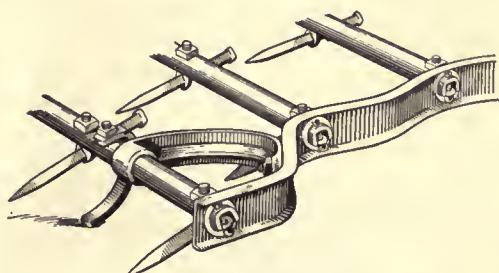
The levers are equipped with relief or cushion springs which permit teeth to spring back when striking an obstruction.

The Rock Island tooth clamp securely fas-

tens each tooth to tooth rail. The teeth cannot get out of position.

Three hitch hooks are used instead of only two distributing evenly throughout the harrow, adding to its strength and durability.

Pendant links make it impossible for the harrow to become uncoupled from the evener.



Note Strong Corner Brace and Runner

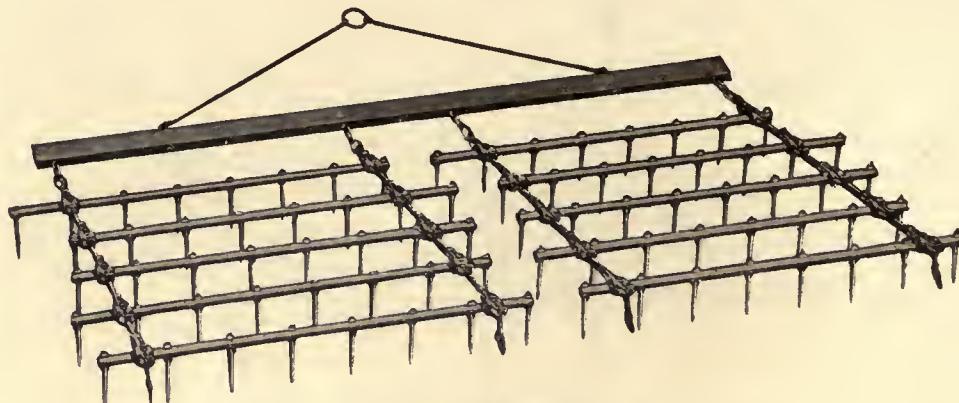
### Specifications

TRADE NUMBER	No. Sections	No. Teeth	Width of Cut Feet	No. Evener	Shipping Weight, Pounds	Telegraph Code
171	2	50	8	36	195	Mest
172	2	60	10	37	220	Mesta
173	2	70	11	48	246	Mestad
174	3	75	12	39	304	Mestade
175	3	90	15	41	343	Mestadel
176	3	105	17	49	382	Mestader
177	4	100	16	42	432	Mestol
178	4	120	20	43	480	Meston
179	4	140	22	50	540	Mestop

Extra: Bent levers for orchard use.



## Rock Island Drag Harrows



Made in 5-Bar only—40 Teeth to the Section

## Rock Island Flexible Steel Harrow

THIS Rock Island Flexible Reversible Harrow is made entirely of steel and malleable iron.

It is furnished in 40-tooth sections only, with five pipe bars to each section. The teeth extend through the bar and are securely fastened by the forged shoulder below and the nut on top.

This harrow is very flexible and conforms to

unevenness of the ground. It *harrowes all the ground*. By hitching to one end of the harrow, the teeth slant back, making an ideal leveling harrow. Hitching to the other end makes the teeth stand vertical. Ever-ready, self-locking hitch links are fastened to each end of sections. No wrenches are required to change from a leveling harrow to a vertical tooth harrow.



Teeth Slanting



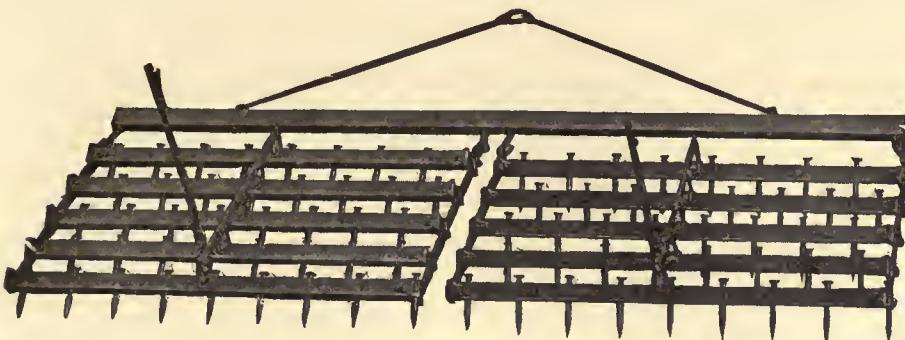
Teeth Straight

## Pipe-Bar Flexible Harrows—5-Rail, Square Teeth

TRADE NUMBER	NO. OF SECTIONS	NO. OF TEETH	WIDTH OF CUT FEET	NO. OF EVENER	SHIPPING WEIGHT POUNDS	TELEGRAPH CODE
75	2	80	10	45	172	Lub
76	3	120	15	46	264	Lud
77	4	160	20	47	372	Lug
78	5	200	25	60	493	Lugab
79	6	240	30	61	593	Lugo



## Rock Island Drag Harrows



### Rock Island Wood Frame Lever Harrow

ROCK ISLAND Wood Frame Lever Harrows are strong. The tooth bars are fastened to frame bars by malleable cranks.

Throwing the lever to its extreme forward position raises the points of all the teeth clear of the ground, the end bars acting as runners,

preventing all rocking and jarring when moving from field to field.

The bars are made of seasoned oak and are riveted at each end tooth to prevent checking or splitting. Teeth are square pointed, and 41 to the section.

### Specifications

Wood bar, 5-rail, square end

Complete with eveners

### Square Steel Teeth

TRADE NUMBER	No. of Sections	No. of Teeth	Width of Cut Feet	No. of Evener	Shipping Weight Pounds	Telegraph Code
60	2	82	10	25½	219	Mingle
61	3	123	15	26½	340	Minion
62	4	164	20	27½	486	Minor



## Rock Island Eveners for Drag Harrows

ROCK ISLAND EVENERS are well and carefully made of the best materials. The combinations have been worked out with the greatest care, particular attention being given to convenience and economy.

Necessary bolts, properly spaced, are in all eveners, to accommodate the links by which the eveners are attached to the various harrow sections.

A 4-section evener is converted into a 3-section evener and two eveners for 2-section harrows by separating the members.

When harrows are used with two teams—that is, when an evener is hitched to on both ends, or, in other words, a two-point hitch—

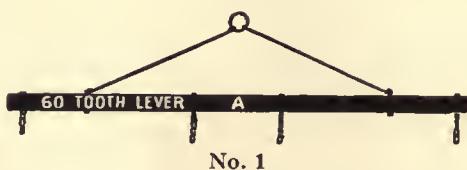
the teams should be kept even for the best work.

This applies to all harrows of all kinds with which a two-point hitch is used.

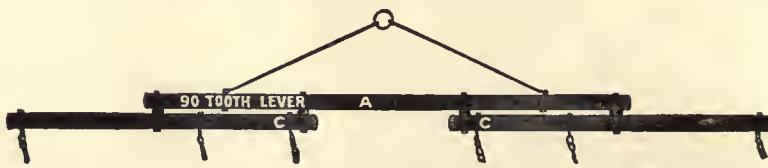
The possible combinations are as follows:

A No. 4 Evener is for a 4-section, 120-tooth harrow. By detaching the member marked B, it becomes a No. 3 Evener, for a 3-section, 90-tooth harrow. This leaves the two members marked A, each of which forms a No. 1 Evener, for a 2-section, 60-tooth harrow. No. 2 Evener shows the regular combination for a 3-section harrow. The member of this marked A can be used as an evener for a 2-section harrow.

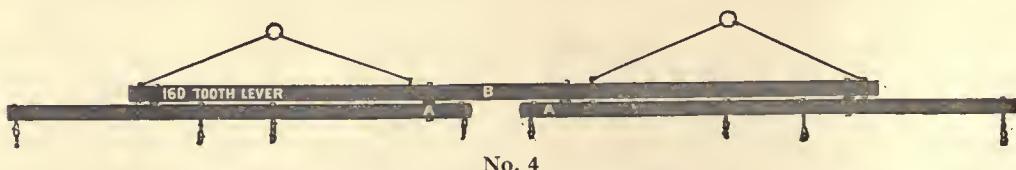
All the Rock Island Harrow Eveners afford similar combinations.



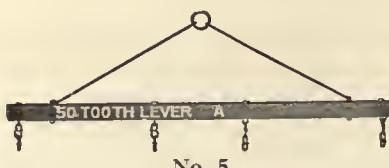
No. 1



No. 2



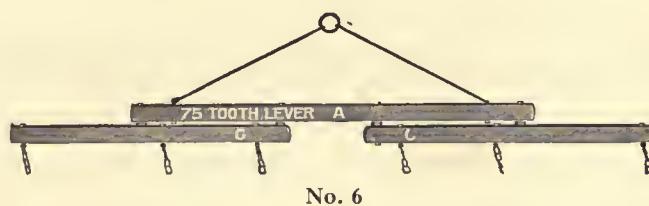
No. 4



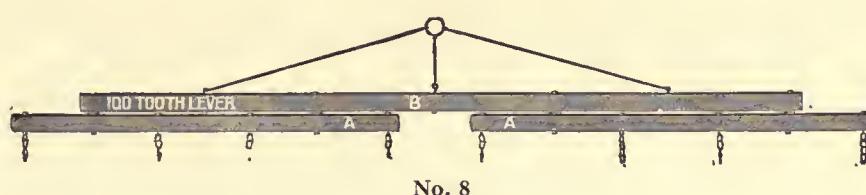
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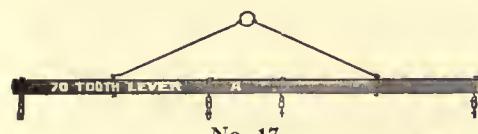
## ROCK ISLAND EVENERS FOR DRAG HARROWS—Continued



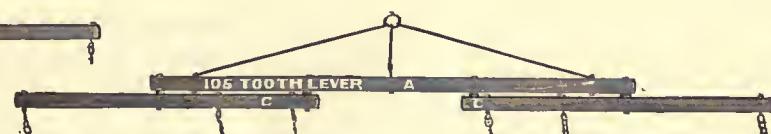
No. 6



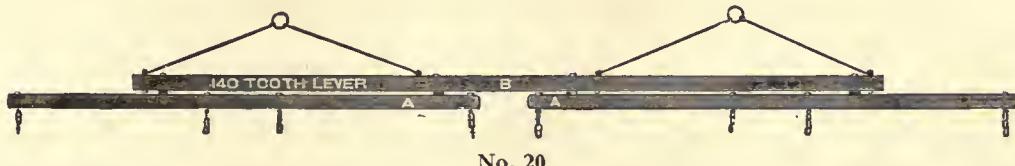
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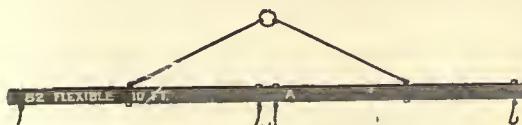
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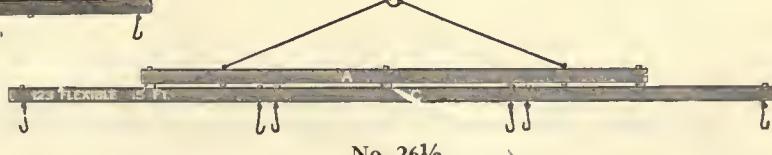
No. 18



No. 20



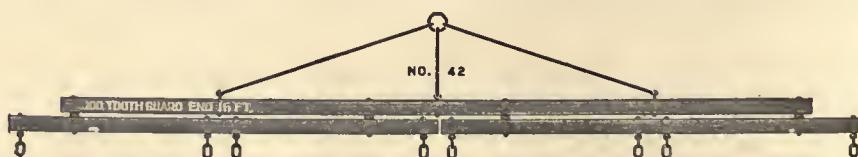
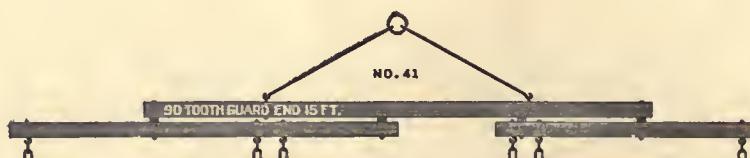
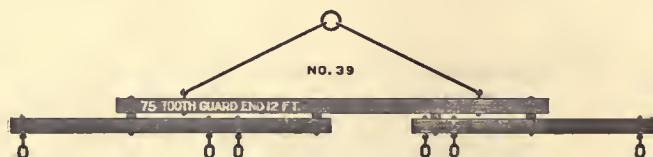
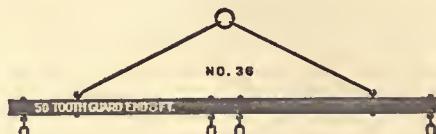
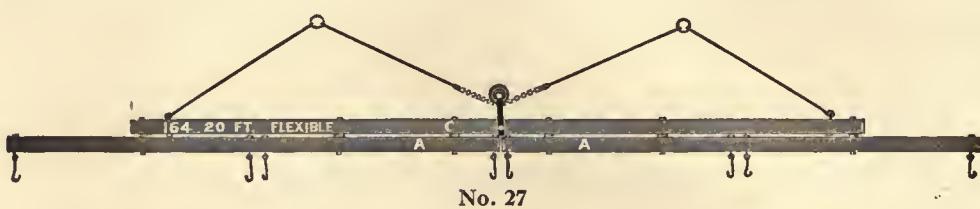
No. 25 1/2



No. 26 1/2

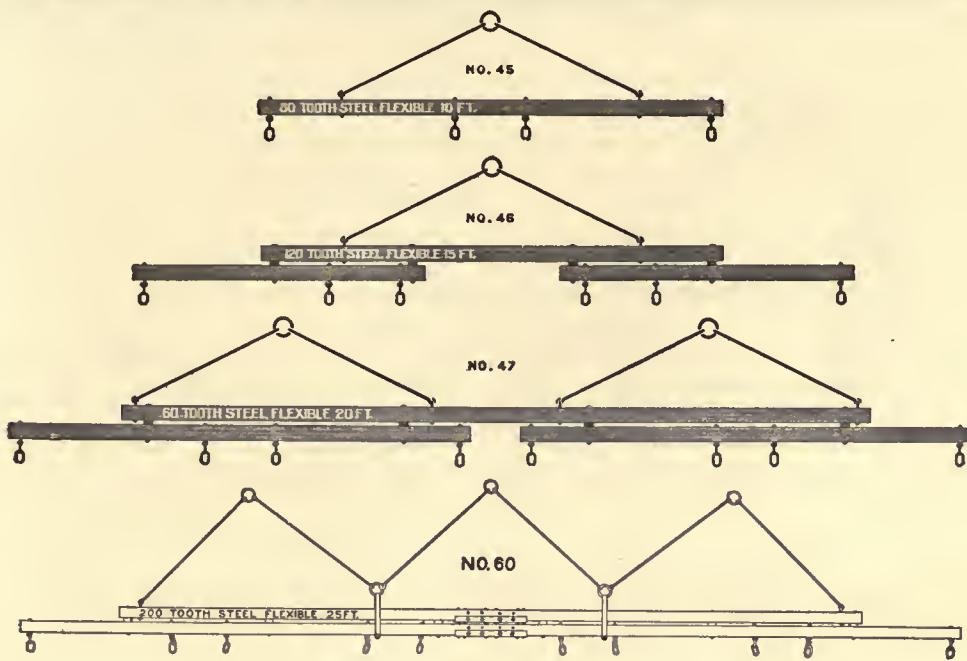


## ROCK ISLAND EVENERS FOR DRAG HARROWS—Continued





## ROCK ISLAND EVENERS FOR DRAG HARROWS—Continued



No. 60—200 Tooth Steel Flexible, 25 ft.



No. 61—240 Tooth Steel Flexible, 30 ft.

## Straight, One-Piece

Number	Harrow Sections Number	DESCRIPTION OF HARROWS ON WHICH USED	Width Feet	Shipping Weight Pounds	Telegraph Code
1	2	60-tooth, U Bar.	10	21	Miss
5	2	50-tooth, U Bar.	8	19	Miter
17	2	70-tooth, U Bar.	11	24	Mode
25½	2	82-tooth, Wood Lever.	10	23	Moan
45	2	80-tooth, Steel, Flexible.	10	23	Model

## Combination, Three-Piece

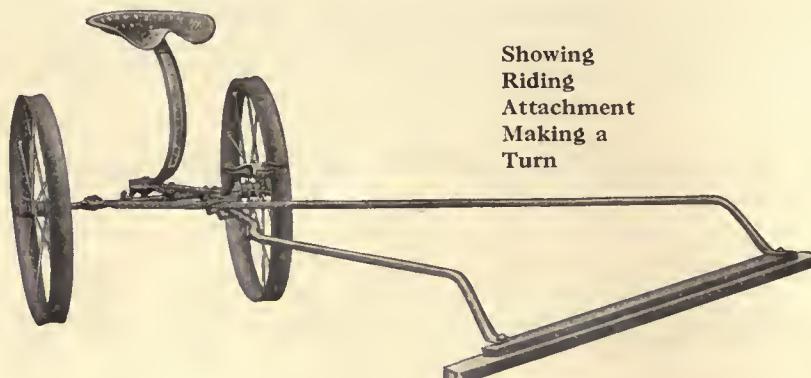
2	3	90-tooth, U Bar.	15	42	Molar
4	4	120-tooth, U Bar.	20	68	Mold
6	3	75-tooth, U Bar.	12	31	Molest
8	4	100-tooth, U Bar.	16	49	Money
18	3	105-tooth, U Bar.	17	56	Moon
20	4	140-tooth, U Bar.	22	78	Moor
26½	3	123-tooth, Wood Lever.	15	52	Monk
27½	4	164-tooth, Wood Lever.	20	67	Monkey
46	3	120-tooth, Steel, Flexible.	15	45	Mob
47	4	160-tooth, Steel, Flexible.	20	70	Mock
60	5	200-tooth, Steel, Flexible.	25	.....	Mocker
61	6	240-tooth, Steel, Flexible.	30	.....	Mockery

## Eveners for Guarded End Steel Lever Harrows

36	2	50-tooth, 1-piece.	8	23	Morse
37	2	60-tooth, 1-piece.	10	26	Mort
39	3	75-tooth, 3-piece.	12	42	Moss
41	3	90-tooth, 3-piece.	15	43	Moth
42	4	100-tooth, 3-piece.	16	49	Motion
43	4	120-tooth, 3-piece.	20	68	Motor
48	2	70-tooth, 3-piece.	11	.....	Motorb
49	3	105-tooth, 3-piece.	17	.....	Motorbus
50	4	140-tooth, 3-piece.	22	.....	Motorby



## Rock Island Harrow Riding Attachment



### Rock Island Harrow Riding Attachment No. 2

THE Rock Island No. 2 Harrow Riding Attachment can be used with practically any size drag harrow. The method of attaching is such that the operation of the levers is not interfered with in any way.

The driver always faces the horses, no matter which way the wheels may be angled. The moving back and forth of the axle does not affect the seat. The platform for the seat is composed of two circular plates. The lower plate is bolted solidly to the axle. The seat and foot rest are both fastened to the upper plate, which can turn on the lower plate like

the fifth wheel of a wagon. An automatic locking device prevents responding to slight vibration of the harrow while the cart is being drawn straight ahead, but permits the wheels to angle either way while making a turn or when either of the wheels strikes an obstruction, without disturbing the driver at all.

Wheels are 32 inches high and are set 30 inches apart, with an adjustment permitting an expansion of four inches more. They have 3-inch concave tires, staggered spokes, and dust-proof, removable boxes. Spring seat and foot rest are both adjustable.

### Specifications

32-inch wheels.

Dust-proof removable boxes.

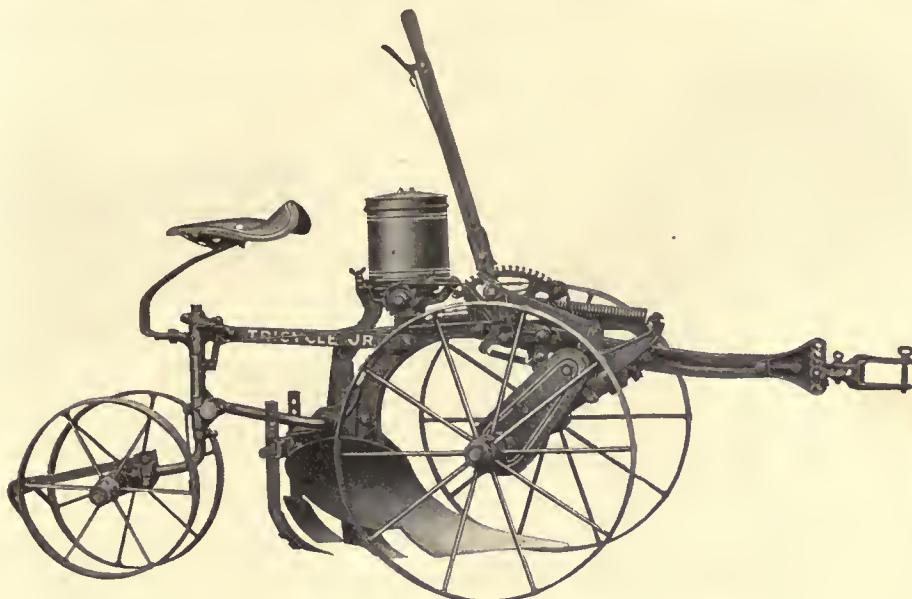
High carbon U-bar steel draw-bars.

Adjustable spring seat.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 2 Harrow Riding Attachment . . . . .	110	Mound



## The Original, Frameless, Tricycle Lister



Tricycle Lister—Shovel Coverers, Edge or Flat Drop

### Rock Island No. 9 Tricycle Lister

THE Rock Island No. 9 Tricycle is the famous original frameless three-wheel lister. It was the first to be put on the market, and has always maintained the lead and proved its superiority. It is built strong, but is light in weight.

#### Accurate

The No. 9 Lister is furnished with either Rock Island straight flat drop or convertible edge and flat drop seed plates—noted for accuracy in dropping. The straight flat drop is particularly desirable for planting thin, flat kernels, such as Hickory King corn.

#### Seed Always in View

The seed is always in plain view of the operator when it drops into the ground. There is no chance of driving across the field with an empty hopper.

The Rock Island No. 9 is equipped with a tip-over hopper, so that if it is desirable to



Rock Island No. 9 Tricycle Lister Turning with Bottom in Ground



## ROCK ISLAND No. 9 TRICYCLE LISTER—Continued



Fig. 1

Rock Island High Breasted Lister Share



Fig. 2

Ordinary Lister Share

change plates when there is seed in the can, you may do so without removing the seed. It is impossible to put the plates in wrong; they can only be put in the correct way. Gears stay in mesh when the hopper is tilted.

The lever is handily placed for the operator, and all working parts are under control at all times. Wheels are adjustable 3 ft. 2 in. to 3 ft. 8 in. for planting wide or narrow rows. Either disc or shovel coverers can be furnished. These are adjustable in and out, up and down, or at any angle. Pole attachment can be furnished.

### Rock Island Lister Bottoms Make Wide Furrows

The shape of the Rock Island Lister bottom turns trash under and makes a cleaner, wider furrow than can be obtained with any other Lister bottom.

We make our shares high so that the wear will come on the share instead of on the mold-

board. This is a great advantage, as you will readily see. Also a great economy, for it is much cheaper to renew the share than to renew both share and moldboard.

On Rock Island Lister bottoms the right hand board backs up against the left one so there is no crack in front and no chance of a misfit. With this method the lister *always scours* and the shares *always fit*.

### Suction Always Constant

The parallel connection of bottom to beam holds suction constant regardless of depth and also results in planting at uniform depth. The No. 9 Lister will turn with the bottom in the ground—no danger of upsetting.

### Specifications

14-inch bottom.

Edge or flat drop for corn.

Soft-center shares.

Combination 3- and 4-horse eveners.

NUMBER	Style of Coverers	Drop	Shipping Weight Pounds	Telegraph Code
9	Shovel	Edge	427	Mythic
9	Shovel	Flat	427	Mythan
9	Disc	Edge	434	Myth
9	Disc	Flat	434	Mythax
Pole Attachment, extra . . . . .			43	Mythib



## Rock Island Four-Wheel Lister



Also Furnished  
with  
Shovel Coverers

### Rock Island No. 10 Four-Wheel Lister

THE Rock Island No. 10 is one of the most popular four-wheel frame listers.

It also is equipped with the famous Rock Island 14-inch Lister bottom with high breast soft-center share, noted for the good job it does.

A link connection is provided so that the bottom is held at a constant suction and the seed is planted at a uniform depth.

The operation of No. 10 Lister is exceedingly simple. The team assists in raising and lowering the bottom. The balance, or lifting spring, is directly in the center of the frame instead of on one side, doing away with all side motion and avoiding wear in the bearings.

Either disc coverers with dust-proof bearings or break-pin shovel coverers are furnished.

They can be adjusted to any desired depth, width or angle. The subsoiler can also be adjusted as desired.

The tread of the front wheels is adjustable from 3 ft. 2 in. to 3 ft. 8 in. The rear wheels have two widths of tread.

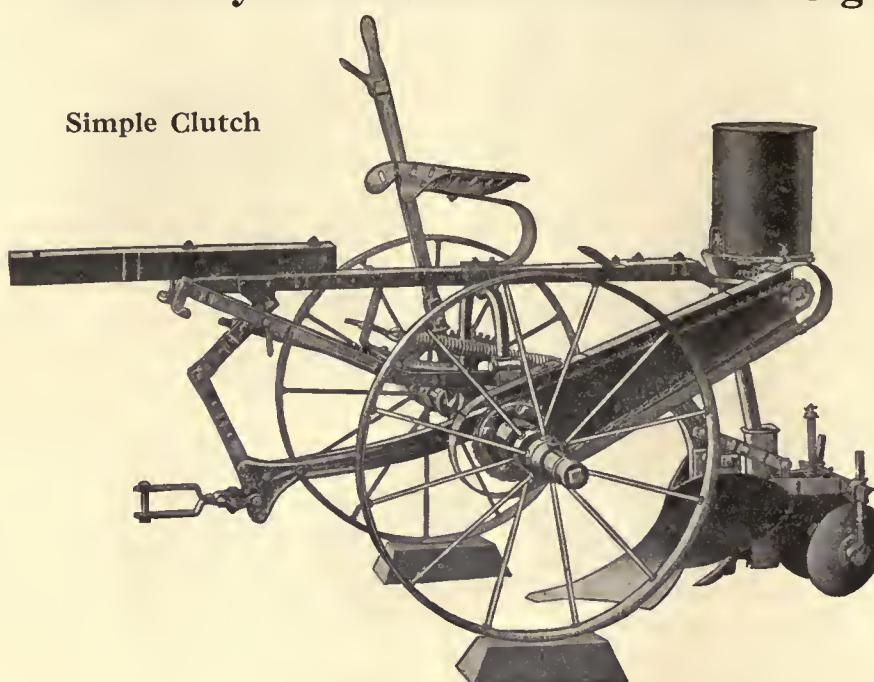
A combination 3- and 4-horse evener is furnished. This can be adjusted for different widths. Either flat or edge drop seed plates can be furnished for corn and similar seeds, and this lister can be equipped as a combination cotton and corn machine.

The seeding mechanism is positively driven from the left side of the machine by a sprocket chain, well guarded so that trash cannot clog it.

NUMBER	Style of Coverers	Drop	Shipping Weight Pounds	Telegraph Code
10	Shovel	Edge (Corn only)	506	Lister
10	Disc	Edge (Corn only)	513	Listing
10	Shovel	Flat (Corn only)	506	Listes
10	Disc	Flat (Corn only)	513	Listet
10	Shovel	Flat (C & C)	548	Listew
10	Disc	Flat (C & C)	555	Listex



## The Only Two-Wheel Lister with Sight Feed



### Rock Island Two-Wheel Listers

#### No. 18 for Cotton and Corn

In addition to having an accurate dropping system on the Rock Island Two Wheel Lister for either cotton and corn, there is also the big advantage of being able to see at all times that it is planting accurately. The seed spout and delivery are at the front of the hopper instead of the rear, see just how the lister is planting and make certain that the hopper is not empty—without stopping the work.

The Rock Island No. 18 Lister is equipped with the Rock Island positive single seed cotton drop, which saves seed, lessens work of chopping out, and at the same time does that good job of planting which means biggest yields possible under existing weather and soil conditions.

The special shape of the seed plate, together with positive action of the agitator and the two springs and pin, force the seed into the cells. The spiral-shaped cut-off allows only the seed

#### No. 19 for Corn Only

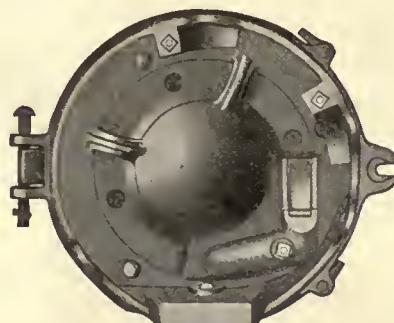
in the cells to pass to the ejector wheel, which forces the seed into the boot. A second spiral-shaped cut-off on the under side of the plate beyond the ejector wheel prevents liny cotton from clinging to the plate. If any seed should still hang to the plate it is passed back into the hopper by means of a by-pass.

### Easiest, Most Simple Method of Changing from Cotton to Corn Planting

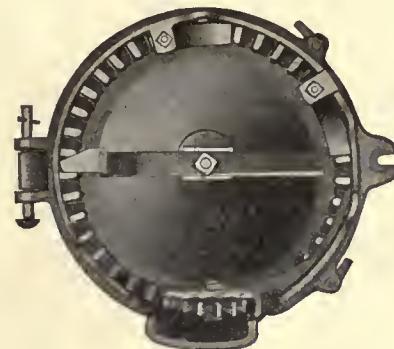
The corn drop is the Rock Island round hole plate type with the tight-fitting center bearing, raised center seed plate, improved cut-off, sight feed and tip-over hopper—accurate to a high degree. Kaffir, maize, etc., can be planted without cracking the seed. The cotton and corn plates are easily and quickly changed, as they go in from the bottom of the hopper instead of the top. This is a patented feature.



## ROCK ISLAND TWO-WHEEL LISTERS—Continued



As a Corn Bottom



As a Single Seed Cotton Drop

## Rock Island Combination Cotton and Corn Bottom

The seeding parts are driven by chain running direct from clutch on the axle to the seed shaft—a most simple, positive drive. Three different sprockets are provided to give different drilling distances, both for cotton and corn.

The lister is provided with a lever chain tightener—another exclusive feature. Merely move the lever and tighten the bolts to increase and maintain proper tension. A substantial guard prevents stalks and trash from interfering with the chain. The clutch is extra large with no delicate parts. It is mounted on the axle and is automatically thrown in and out of gear when bottom is lowered and raised.

It is a very easy matter to remove and replace parts that may become worn from long use. For instance, the large sprocket wheel is detachable—only four bolts to remove, and the shoes in the clutch shifter yoke are also easily replaced. This saves both time and expense.

## The Rock Island Lister Bottom with High Breast Share

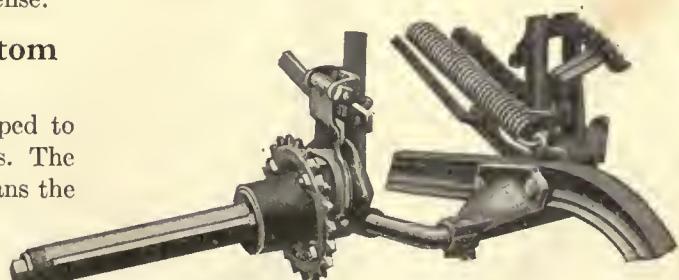
Rock Island Lister Bottoms are shaped to turn trash under and make clean furrows. The share has a very high breast, which means the moldboards are fully protected from any undue wear. This is a great advantage and an economy, because when you renew the share you have practically a new bottom.

Another advantage is that in sharpening shares the breast line is not interfered with and will go right back on the frog and fit up to the original moldboards perfectly—the high breast share does not spring out of shape in sharpening.

The frog is steel in place of malleable, and is held firmly to the beam.

The all-steel open foot used on the Rock Island Nos. 18 and 19 Listers will also take the regular black land bottom. Three adjustments to give the bottom more or less suck are provided in this foot—square holes instead of slotted, maintaining proper suck even if bolts become loose. Rock Island sweep can also be used, and we furnish a root cutter which bolts to the lower end of the open-footed beam.

Narrow shovel opener bolts direct to the seed spout, is provided with break pin, and can be adjusted to any desired depth.



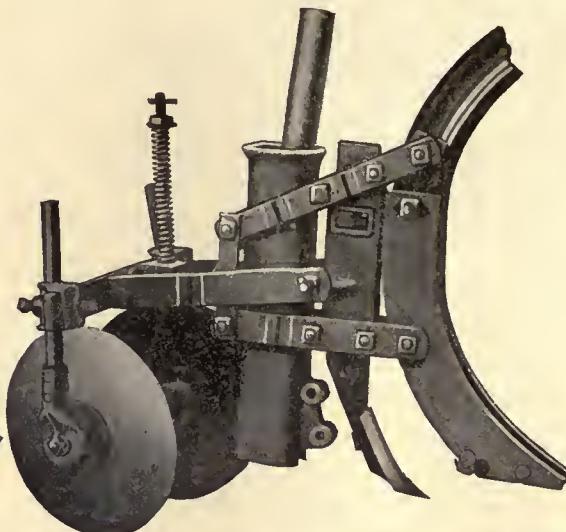
Dust-Proof Wheel Boxing—Simple Clutch Mechanism, Detachable Sprocket, "Take-Up" Bail Bearing



## ROCK ISLAND TWO-WHEEL LISTERS—Continued



Independently Adjustable Shovel Coverers with Shovel Opener for Rock Island Nos. 18 and 19 Listers



Independently Adjustable Disc Coverers, with LS-1 Chisel Point Subsoiler, for Rock Island Nos. 18 and 19 Listers

Three-eighths-inch vertical adjustments are provided in sub-soiler—much finer than ordinary. LS-1 Chisel Point or LS-2 Duckfoot subsoiler is furnished regular on No. 19 Corn Lister, and as an extra on No. 18 Cotton and Corn Lister.

Either shovel or disc coverers can be furnished. The same frame takes either. This

frame is pivoted at the forward end and spring cushioned. The discs are of the independent adjustable type and not the gang type. They can be given any required angle, depth and width by adjusting two set screws. Discs have dust-proof boxings and are oiled by cap hard oilers. When shovels are used they also can be adjusted for width and depth, and are provided with friction break.

#### Built for Strength and Steady, Level Running of Bottom

The beam of the Rock Island Nos. 18 and 19 Listers is extra long and strong, meaning steady running of the bottom. The beam is mounted on a bail which is pivoted to the axle. The bearings for the saddle castings, which attach the beam to the axle, are provided with a "take-up" adjustment for wear.

The lifting spring is mounted centrally with the beam—an advantage for the following reason: If bearing should become worn the spring does not cause the lister to work to one side or the other.



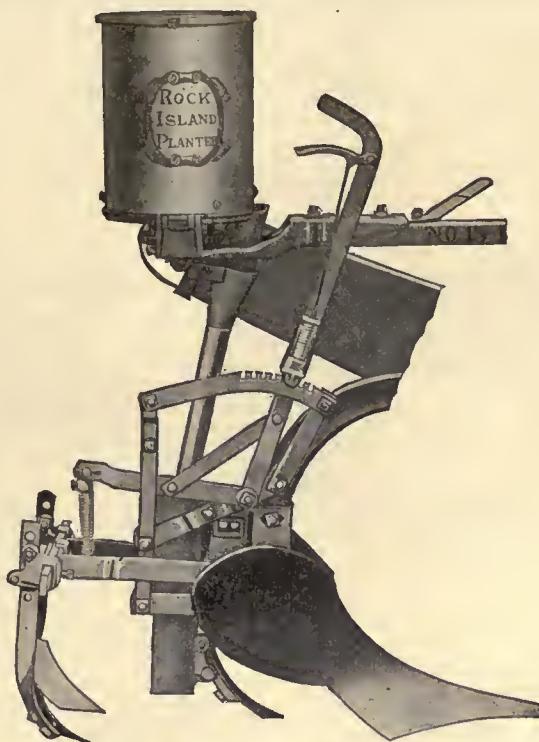
LS-1 Chisel Point Subsoiler



LS-2 Duck Foot Subsoiler



## ROCK ISLAND TWO-WHEEL LISTERS—Continued



**Covering Shovel or Disc Lever Attachment.  
Spring Cushion Still Maintained**

At the front a steel parallel link holds the bottom steady, with the correct suction to the ground at all times, regardless of the depth of lister. It will always plant an even depth. A screw adjustment is provided to give the bottom more or less suck.

The entire lister is nicely balanced either with bottom in or out of the ground, and the bottom is easily handled. The axles are made so that the wheels have both the necessary lead and gather to insure light running and light draft.

The wheels have long dust-proof boxings and are held on the axle by pin and washer. Tires are  $2\frac{1}{2}$ -inch concave; twelve  $\frac{7}{16}$ -inch round spokes with  $3\frac{1}{2}$ -inch stagger. Wheels are adjustable from 34 to 42 inches on the boxing by loosening two set screws.

These listers are built with channel steel stub pole. It lasts the lifetime of the lister. Steel

clevis is provided with ample adjustments, both vertical and horizontal.

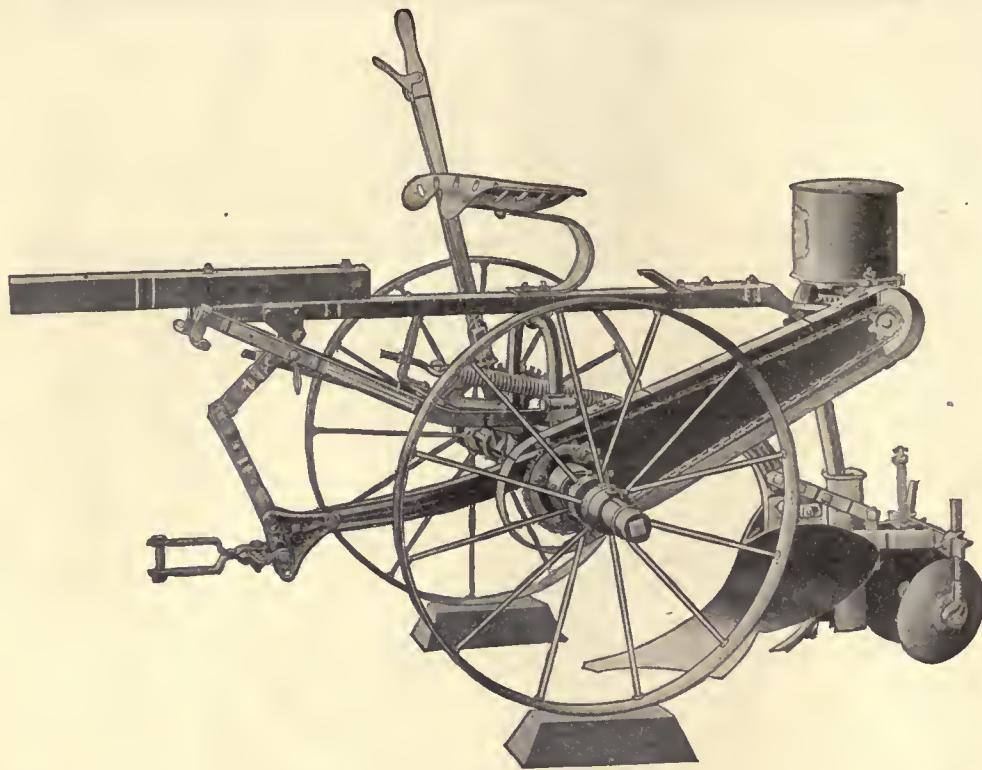
The No. 137 four-horse evener is regular equipment. The main bar of this evener is extra strong and is built so that one doubletree is above, the other below, giving a short, compact hitch. Pole is extra heavy.

### Special Equipment

Set-over attachment for the pole for three-horse hitch can be furnished. We can also furnish a lever attachment for the covering discs or shovels. This is mounted to the rear of the driver and is easily handled. It is for the purpose of regulating the depth the discs or shovels work, and permits changing depth of covering without operator having to leave the seat. It also insures uniform depth of covering. The spring cushion for discs or shovels is maintained with the lever attachment.



## ROCK ISLAND TWO-WHEEL LISTERS—Continued



## Rock Island No. 19 Lister for Corn

The only difference between this and the No. 18 Lister is the seed-dropping mechanism.

The No. 19 Lister has the same corn equipment and uses the round hole flat drop type plate. Oblong hole plates are furnished for Hickory King corn, also plates for milo maize, feterita, broom corn, etc. A special plate holder and plates can be furnished for handling beans.

The outside of the seed plate is machine finished, also the inside of the hopper bottom—

making a perfect fit. The center of the seed plate is raised, allowing no place for seed to lodge either at the outer edge of plate or at the center.

The plate holder is held absolutely tight by three thumb nuts—no opportunity for seed to get in between holder and plate. The special shaped cut-off is hand fitted and, together with the spring knocker, forces seed out of the seed plate positively without crushing the seed.

## Specifications

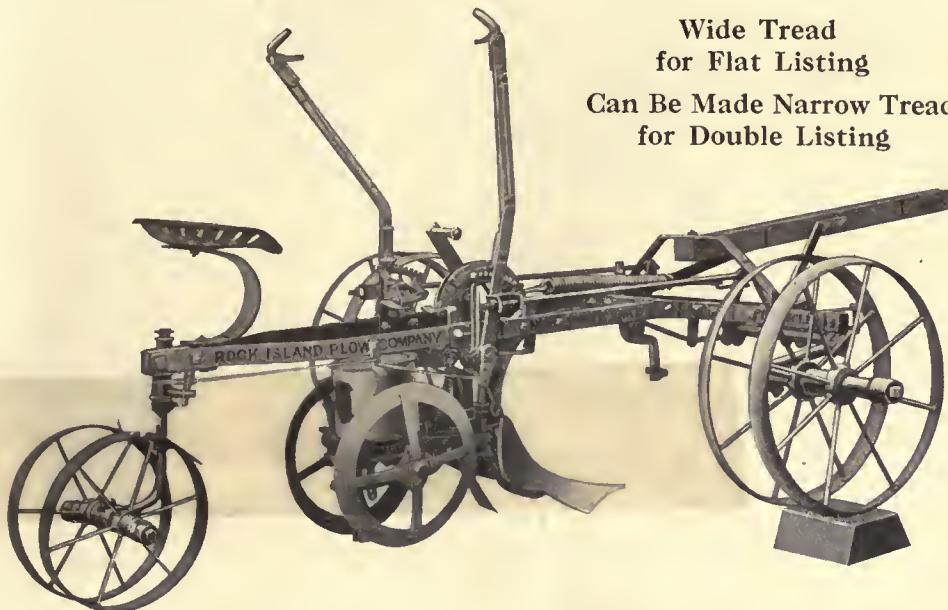
Combination 3 and 4 horse eveners and neck yoke; single seed cotton drop; flat, round hole corn drop; 12- or 14-inch regular MLR., narrow MLN, or black land BLT bottoms (regular bottom shipped unless otherwise specified); dust-proof wheel boxings; 34-inch concave wheels; width adjustable 34 to 42 inches.

DESCRIPTION	Weight Pounds	Telegraph Code
No. 18 with Shovel Coverers and 12-inch Bottom. No Subsoiler or Rolling Coulter.....	529	Omisa
No. 18 with Shovel Coverers and 14-inch Bottom. No Subsoiler or Rolling Coulter.....	532	Omisor
No. 18 with Disc Coverers and 12-inch Bottom. No Subsoiler or Rolling Coulter.....	536	Omisate
No. 18 with Disc Coverers and 14-inch Bottom. No Subsoiler or Rolling Coulter.....	539	Omisaz
No. 19 with Shovel Coverers and 12-inch Bottom. With Subsoiler and Rolling Coulter....	529	Omitab
No. 19 with Shovel Coverers and 14-inch Bottom. With Subsoiler and Rolling Coulter....	532	Omitac
No. 19 with Disc Coverers and 12-inch Bottom. With Subsoiler and Rolling Coulter....	536	Omitted
No. 19 with Disc Coverers and 14-inch Bottom. With Subsoiler and Rolling Coulter....	539	Omiten

Extras: Adjusting lever for coverers; 18-, 20-, or 22-inch sweep, Offset pole attachment for 3-horse hitch.



## List Straight Rows — Uniform Distance Apart



Wide Tread  
for Flat Listing

Can Be Made Narrow Tread  
for Double Listing

### Rock Island No. 20 Wide-Tread Lister

The Rock Island No. 20 Wide-Tread Lister can be set wide tread for flat listing and narrow tread for double listing.

Get the first row straight, then the rest of the rows are bound to be straight and the same distance apart. The double-tired wheel running in the furrow makes a positive guide. The rows are more easily cultivated because uniform.

The axles are pivoted directly to the beam, and are trussed substantially to prevent the wheel from spreading. By means of the long, dust-proof, sliding wheel boxes the width of rows can be varied from 36 inches to 42 inches. The wheels are held securely by pin and washer, which relieves wear on the sand cap. They have no cross ties between spokes to gather stalks or trash.

#### For Narrow Tread

Special axles can be furnished at a slight additional cost for converting this into a narrow-tread lister for double listing. The change can be easily and quickly made. The double-tired wheels, together with the narrow-tread feature,

make this the most positive double-listing machine yet built.

#### The Rock Island Lister Bottom Makes Clean, Wide Furrows

Rock Island Lister bottoms turn trash under and make clean, wide furrows. The share has a high breast, which is a great advantage and an economy, because when you renew the share you have practically a new bottom.

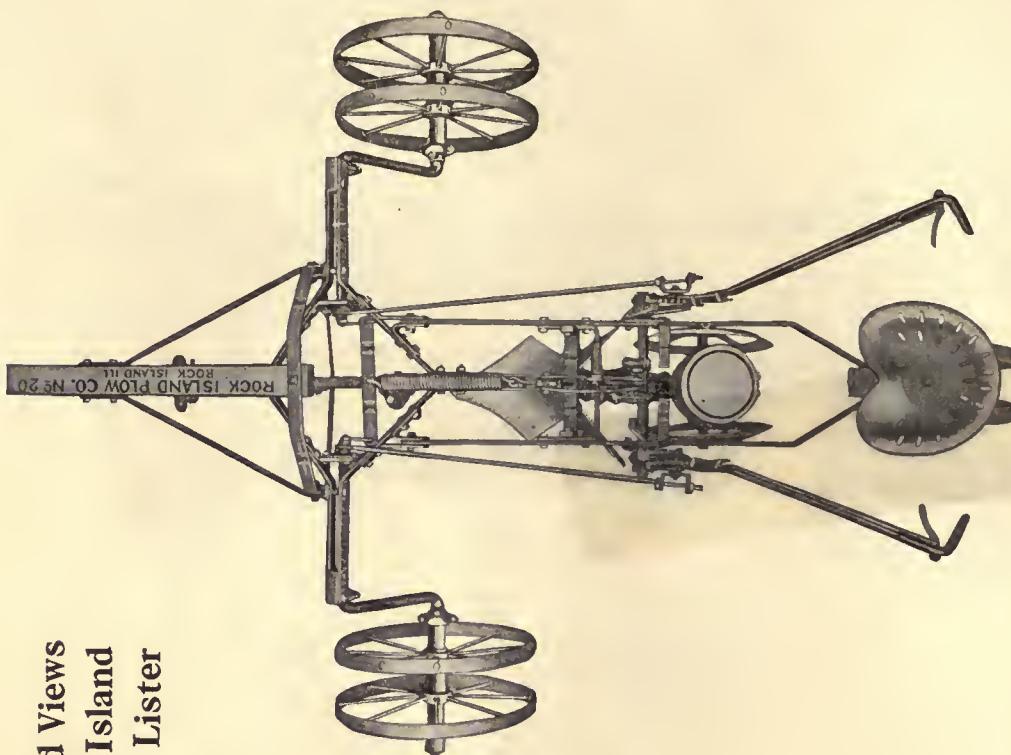
#### Convenient Levers — Easy Lift

The depth regulating levers are conveniently located, and when used in connection with the foot lift, a very slight push of the foot and pull of the lever raises the bottom. Bottom can be raised easily whether team is in motion or standing still. After turning, set depth lever, release foot latch and the bottom will automatically return to the desired depth. Fine adjustments in lever ratchets for depth and also additional screw adjustments are provided, so that depth can be regulated to the smallest degree.

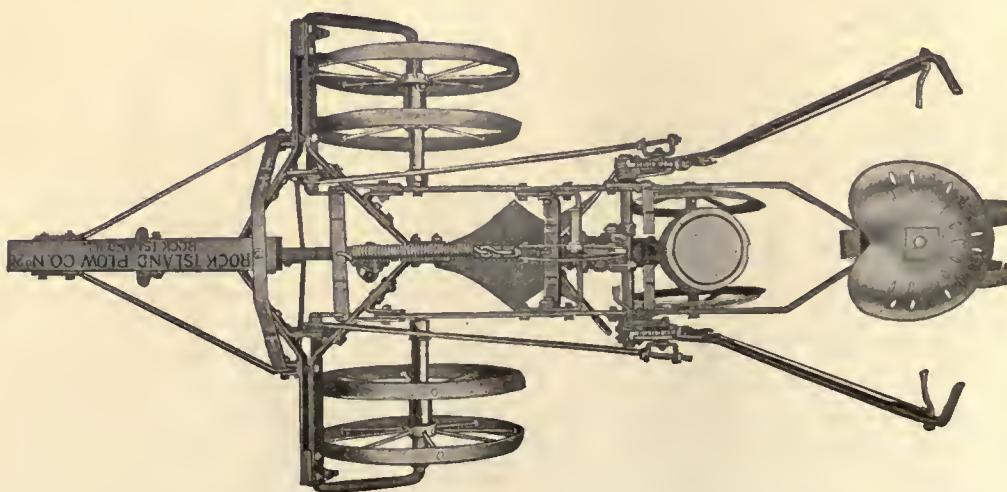


## An Exclusive Rock Island Feature

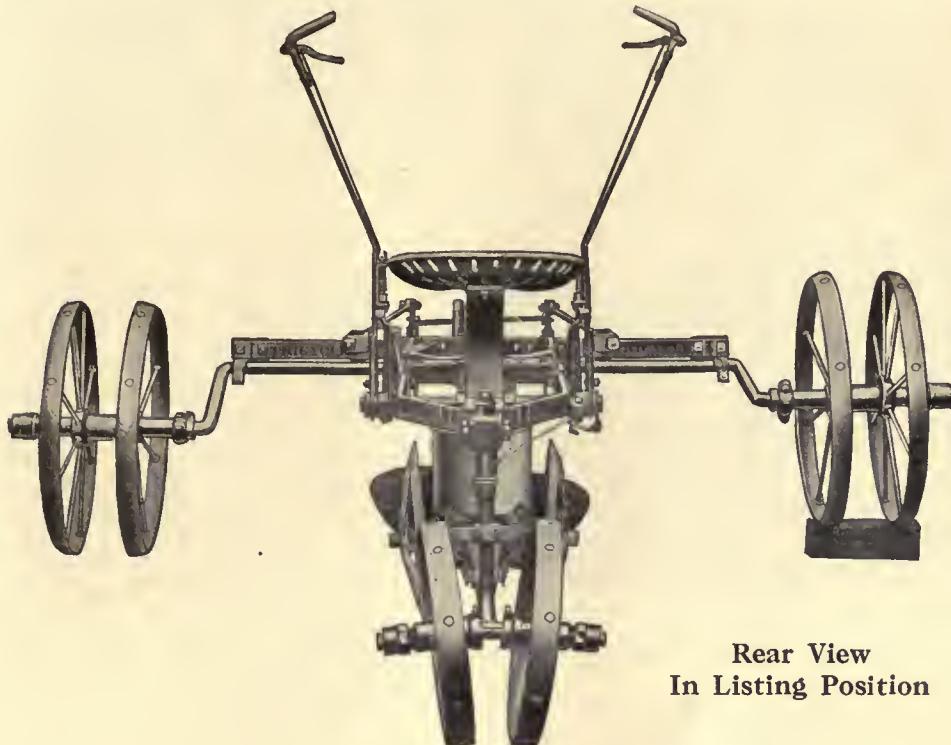
Overhead Views  
of Rock Island  
No. 20 Lister



Wide Tread  
For Flat Listing



Narrow Tread  
For Double Listing

**ROCK ISLAND No. 20 WIDE-TREAD LISTER—Continued**

Rear View  
In Listing Position

**Suction Constant—Even Depth  
Planting**

It makes no difference whether you are flat or double listing, the suction of the bottom remains the same.

A screw adjustment is provided for regulating suction as share wears. All weight of lister and operator is whcel carried—the bottom does not support any of the weight.

The Rock Island No. 20 Lister can be used with or without subsoiler. The subsoiler is provided with  $\frac{3}{8}$ -inch vertical adjustments, as fine adjustments as anyone could desire. Either LS-1 chisel point or LS-2 duck-foot subsoilers can be furnished.

**The Centrally Mounted Lifting  
Spring**

The centrally mounted spring assists both the independent depth levers and the foot lift. It is mounted central with the beam, with an equalizer at the front. No matter how much

wear may occur in the axles or bearings, the bottom will not be led to one side. While it makes handling the bottom an easy matter, it does not hinder the bottom from going into the ground.

**The Rock Island No. 20 Lister  
Can Be Backed**

With the No. 20 Lister you can work up close to the fences and in the corners. This lister can be backed up. The rear wheels are locked in



Seed Plate and Hopper Bottom  
Flat Round Hole Drop

**ROCK ISLAND No. 20 WIDE-TREAD LISTER—Continued**

Notice the Straight Parallel Rows Made by the Rock Island No. 20 Lister, on the Farm of Jake Hahn, Clay Center, Kansas

straightaway position when traveling straight ahead, but when turning, they release automatically. The rear wheels can be reversed for wide or narrow pressure.

**Accurate Seeding Parts**

The No. 20 Lister uses the round hole flat drop type of plate. Oblong hole plates are furnished for Hickory King corn, also plates for milo maize, feterita, broom corn, etc. A special plate holder and plates can be furnished for handling beans. The No. 20 handles the seed without crushing or cracking the kernels. The outside of the seed plate is machine finished, also the inside of the hopper bottom—making a perfect fit. The center of the seed plate is raised, allowing no place for seed to lodge either at the outer edge of the plate or at the center. The seed plate has a chilled center bearing so plate can fit close and not bind. The

plate holder is held absolutely tight by three thumb nuts—no opportunity for seed to get in between holder and plate. The special shaped cut-off is hand fitted and, together with the spring knocker, forces seed out of the seed plate positively without crushing the seed.

**Positive Seed Driving Mechanism**

Two discs, one on each side and set at an angle to each other, give a positive drive and at the same time cover the seed. Their angle can be adjusted to throw more or less dirt over the seed. These discs being cut out, give ready access to all adjustments. Their construction also makes them easy scouring.

We guarantee the discs will drive the seeding mechanism. The depth and pressure of the drive discs can be easily regulated. The discs are connected by an extra heavy universal joint. Both discs drive. The narrow opening shovel is adjustable for depth.

Placing the hopper close to the ground makes possible the use of a short seed spout—less distance for seed to travel and to separate, which, together with the narrow opening shovel, means more uniform distances apart in straight rows.

The hopper is easily removed for changing plates without emptying it. It is impossible to put the plates in wrong. Sight feed shows at all times just how the seed is being dropped. Combination Cotton and Corn Hopper can be furnished.

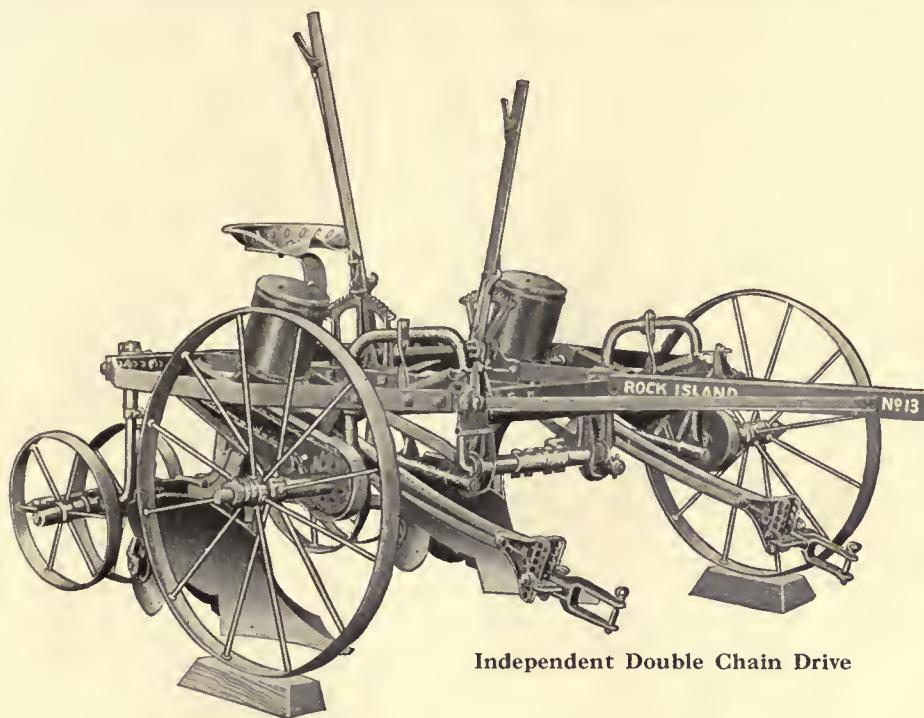
**Specifications**

- Adjustable 36 to 42 inches
- Dust-proof wheel boxes
- Soft-center steel bottoms
- Flat drop round hole corn plates

DESCRIPTION	Weight Pounds	Telegraph Code
No. 20 Lister, 14-in. Bottom, Corn only, complete . . . . .	700	Omizate
No. 20 Lister, 14-in. Bottom, Cotton and Corn, complete . . . . .	712	Omizer
Pair Axles for Back Listing . . . . .	50	



## Rock Island Two-Row Listers



Independent Double Chain Drive

### Rock Island No. 13 Two-Row Lister

The Rock Island No. 13 Lister with six horses and one man will do as much work as two single-row listers with eight horses and two men,

It is equipped with the famous Rock Island accurate drop—either edge or flat drop, as ordered. Each seed can is mounted on the beam and independently driven by a chain from the axle on each side of the machine. The beams and bottoms are mounted on separate bails, which are pivoted on the axle. As the bottoms are raised or lowered, the feed is automatically thrown out of gear. The bottoms have three width adjustments—38, 40, and 42 inches.

The famous Rock Island lister bottoms with high breast share, described on previous pages, are used on this lister.

There are two depth levers. The main raising lever, which lifts both bottoms, is on the right side, and a shorter lever for leveling the bot-

toms is on the left side. When raised, the bottoms clear the ground by six inches. A foot raising lever is also placed in easy reach of the operator. Two assisting springs are used, one for each bottom, and mounted central, making the operation of the machine exceedingly easy.

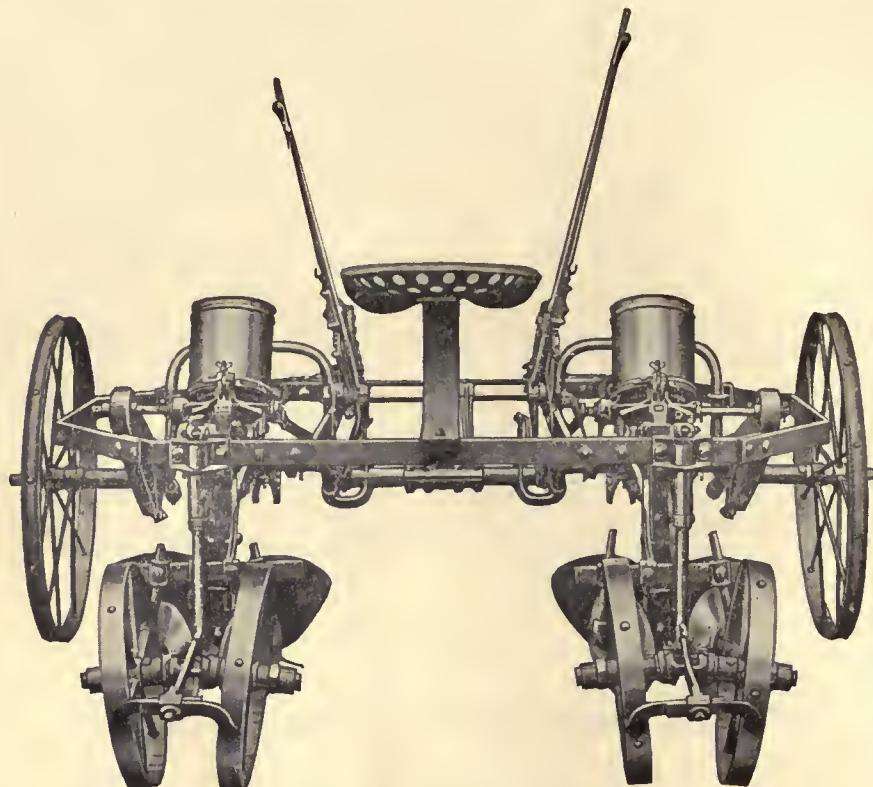
The Rock Island No. 13 Lister is equipped with a 6-horse-abreast evener. The well-known Rock Island method of holding the suction of the lister constant, and preventing the heavy evener from dragging at the turns, is used on this two-row lister.

When the lister is raised out of the ground, the evener is automatically raised with the beam, holding it off the ground. When in the ground, the beams are held at a certain height, insuring an even amount of suction at all times. This also insures even depth of seed.

The No. 13 has 34-inch wheels with  $2\frac{1}{2}$ -inch tires. There is a set of rear wheels for each bottom which can be adjusted to different



## ROCK ISLAND No. 13 TWO-ROW LISTER—Continued



Rear View, Two-Row Lister

widths. These carry the operator as well as part of the machine, making even covering under all conditions. Either disc or shovel coverers are furnished. Various size sweeps, with wings, can also be furnished.

### Specifications

Complete with 6-horse hitch and rear wheels.

Flat or edge drop—*corn only*.

Soft center shares.

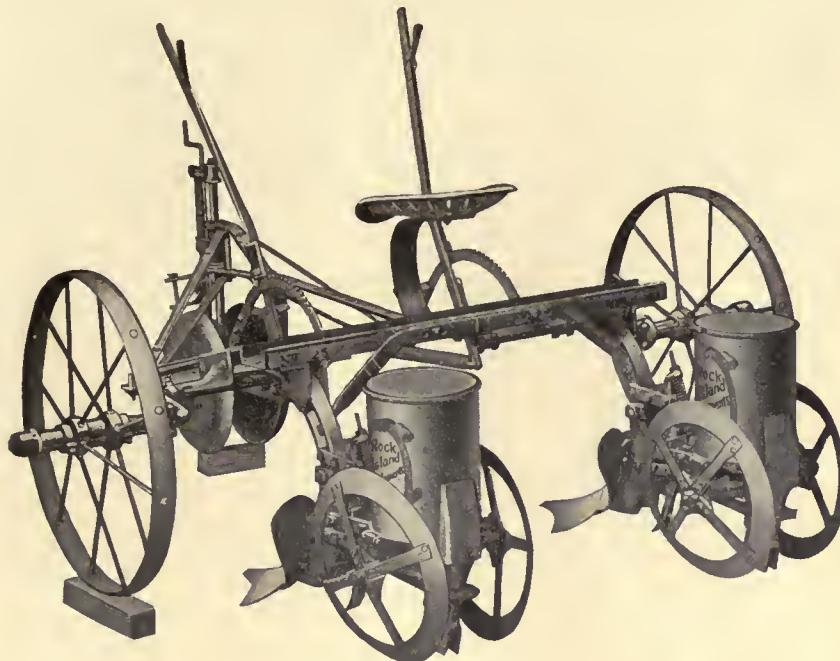


Shovel Coverers for No. 13 Lister

NUMBER	Style of Coverers	Drop	Shipping Weight Pounds	Telegraph Code
13	Shovel	Edge	1094	Listob
13	Disc	Edge	1115	Listoe
13	Shovel	Flat	1094	Listod
13	Disc	Flat	1115	Listoc



## Puts the Crop in Quicker



### Rock Island No. 25 Two-Row Lister

THE Rock Island No. 25 Two-Row Corn only or Cotton and Corn Lister is built to stand the unusually severe conditions under which it often has to work. It is practically all steel. Notice the steel ratchets, forged axle bearings with "take-up" feature, beam bracing, etc.

The machine is close coupled, and this, together with the specially shaped Rock Island bottoms, gives extremely light draft.

The front is carried on a fore-carriage, which steadies the machine and takes the weight off the horses.

#### Simple, Positive Drive for Planting Mechanism

The discs serve both for driving the planter mechanism and for covering the seed. The depth of covering is determined by angle of the discs, which can be quickly adjusted.

The drive discs are open center—will scour and do not ball up with trash. This construction also allows easy access to planter mech-

anism for adjustments. These discs positively drive either corn or cotton planting mechanism.

The spokes are riveted with two rivets at each end so that there is no danger of loosening or breaking. The discs are keyed to shaft with a bolt and lock washer instead of cotter-pin.

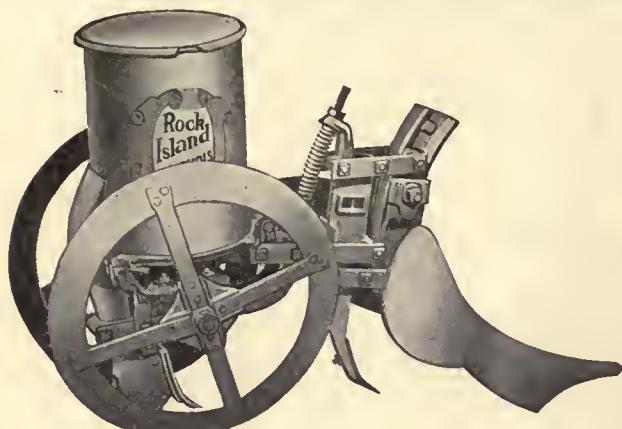
The entire weight of seed, hopper, and planter mechanism, aided by a pressure spring, holds the angled discs steady in the furrow and insures uniform planting. These discs will not slip or drag. The seed hoppers, being so close to the ground, drop the seed a uniform distance apart.

The planting mechanism is attached to the lister beam. The planter is automatically thrown out of gear when the bottom is raised, as this raises the driving discs from the ground.

Notice the absence of chains, gears, and clutches, which wear out very soon, especially



## ROCK ISLAND No. 25 TWO-ROW LISTER—Continued



Cotton and Corn Hopper for Rock Island No. 25 Two-Row Lister

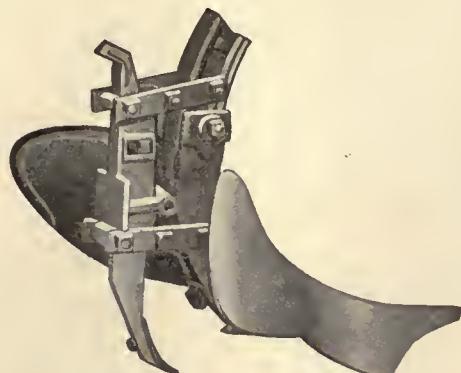
in sandy soils. This is the most simple and effective seeding mechanism built.

The removable hopper is a great convenience and time-saver. For instance, to change corn plates or from corn to cotton bottom, tip the hopper over, loosen the thumb-latches, slip out corn bottom and replace with cotton bottom.

The cotton and corn plates are also easily and quickly changed, and the change is made without taking the seed out of the hopper. All plates go in from the bottom of the can instead of the top, as is ordinarily done.

#### Uniform Cotton Drop

The Rock Island "Single Seed" Cotton Drop not only saves high-priced seed, but also saves a great deal of labor in chopping by dropping the seed a uniform distance apart.



Rock Island Subsoiler Can Be Used without Seeding Mechanism

The cotton plate has a series of cells at the outer edge. The plate and cells are so shaped that the seed is forced into the cells. The agitator attached to the plate forces the cotton seed toward the cells and prevents bridging.

Two springs and a pin are provided to insure the cells filling accurately and retard the revolving action of the seed.

A spiral-shaped cut-off is provided to prevent more seed following around to the dropping point. This cut-off permits the seed in the cells to pass to the ejector wheel, which forces the seed back into the boot.

Linty cotton seed often hangs to the plate, therefore a second spiral-shaped cut-off for the under side of the plate beyond the ejector wheel is provided. This usually forces any seed which may have hung to the plate into the boot,



Cotton and Corn Drop, Showing Corn Bottom



Single Seed Cotton Drop, Showing Ejector Wheel, Agitator and Forced Feed



## ROCK ISLAND No. 25 TWO-ROW LISTER — Continued



Planting Cotton at Lubbock, Texas

but a by-pass is provided which passes any seed which still hangs to the plate back into the hopper without injury to the seed. *This cotton drop seldom cracks a seed.*

### Corn Drop

The corn drop is specially designed to insure accuracy, and to eliminate cracking of seed.

Notice particularly—

The tight-fitting center bearing,  
The raised center corn plate,  
The three-point plate holder,  
The improved cut-off.

This corn drop will not crack maize, kaffir, or sorghum.

Special plate equipment can be furnished for planting beans.

The narrow opening shovel, equipped with break pin, which is an exclusive feature on this type of drop, makes a small trench, which assures even, straight rows. The fact that the opening shovel is adjustable and seed spout is fastened to it, assures uniform planting at any desired depth.

The Rock Island planting mechanism can be used with or without subsoiler. As each are

separate units, the seeding mechanism may be taken off and only the subsoiler used.

The  $\frac{3}{8}$ -inch vertical adjustment of the subsoiler is a feature which will be appreciated by those who wish fine adjustments. The shovel is easily removable, being bolted to shank.

A choice is given of two subsoilers:

LS-1—Chisel Point, or  
LS-2—Duck Foot.

### Rock Island Lister Bottoms

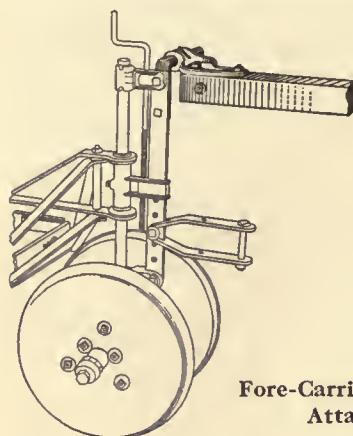
The MLR series is shaped to turn trash under and makes a cleaner, wider furrow than can be obtained with any other lister bottom. The MLN series is shaped for a narrower row and does not bed the land as high as the MLR series. This bottom also permits some loose ground to fall back in furrow to form a muleh, maintaining the moisture where wanted.

The BLT series is especially adapted for black land use.

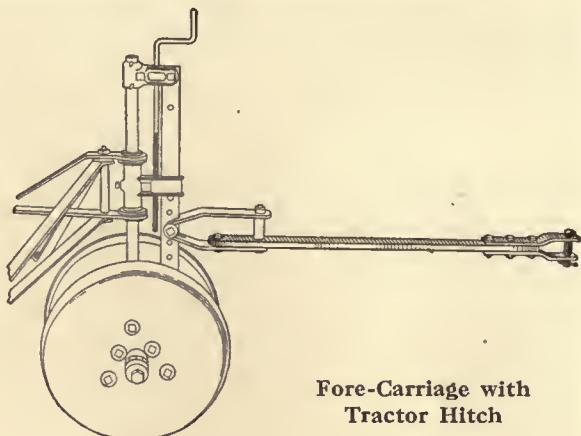
On the MLR and MLN series the shares are high, so that the wear will come on the share instead of on the moldboard. Bottoms for this lister are built with steel frog.



## ROCK ISLAND No. 25 TWO-ROW LISTER—Continued



Fore-Carriage with Pole Attachment



Fore-Carriage with Tractor Hitch

### All Steel Frame, Heavily Braced

A very heavy channel steel beam connection between the two bottoms and a brace support from the beam to the channel at the rear end holds the bottoms rigid.

The front is supported by braces on each side as well as by an angle beam brace running the full width of the machine.

The beam is extra heavy and is provided with a split steel foot piece which will take practically all makes of sweeps. The foot piece is provided with a fine corrugated "suck" adjustment.

### Easy to Raise Bottoms

This lister has but two levers, the depth levers, which are within easy reach of the operator. They work independently, so that the bottoms can be leveled for side hill work.

A wide range of adjustment is provided so bottoms can be set as deep or as shallow as you wish for either flat breaking or re-listing. An unusually high lift is provided for this type of machine.

Because the axles of the Rock Island No. 25 Lister are short and cranked backward instead of forward, and the levers are provided with assisting springs, the bottoms are raised out of the ground easily by pulling on the depth levers.

Bottoms are easily adjustable to 34-, 36-, 38-, 40-, and 42-inch rows.

### Dust-Proof Wheels

The wheels are larger than usual, being 32-inch diameter with 2½-inch flat or concave tires, staggered spokes, extra long dust-proof boxes with cap hard oiler.

It is a very easy matter to change the width adjustment of the wheels by loosening the two set screws on each wheel box and sliding the wheels to the desired position.

### Fore-Carriage with Exclusive Screw Depth Adjustment

The Rock Island Fore-Carriage carries the weight of the front end and also the heavy six-horse evener, making it easier on the horses, because it steadies the machine and takes the weight off the horses. It also holds evener up so it does not interfere with horses in turning.

It is equipped with disc wheels—spaced to make re-listing easy.

The wheels are connected to the fore-carriage with a universal joint so that any irregularity in the ground will not affect the bottoms.

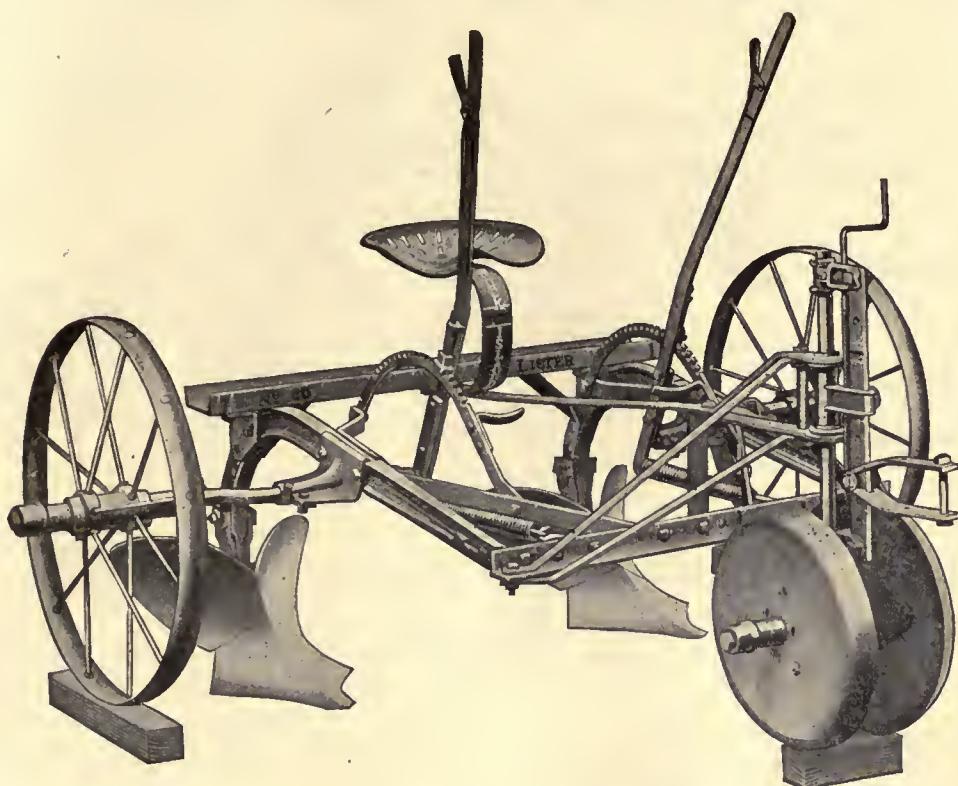
The screw depth regulator is a Rock Island exclusive feature which makes possible a change in adjustment without lifting the six-horse evener. It also governs suck of bottoms.

### Eveners

A six-horse-abreast evener is usually used with the No. 25 Lister. Two six-horse-abreast



## ROCK ISLAND No. 25 TWO-ROW LISTER—Continued



For Wheat Land Listing

eveners can be furnished. The No. 134 is used for wheat land listing and corn. The No. 138 is used for cotton, and is spaced to keep horses off row.

#### A Real Wheat Land Lister

Where rainfall is usually scarce, stubble ground should be listed as early as possible. Listed soil catches the rainfall, conserves the moisture for the benefit of the next crop, and also prevents soil blowing.

The Rock Island No. 25, without cotton and corn seeding parts, makes an ideal wheat land lister, because it has the necessary strength; special shaped Rock Island lister bottoms and convenient adjustments.

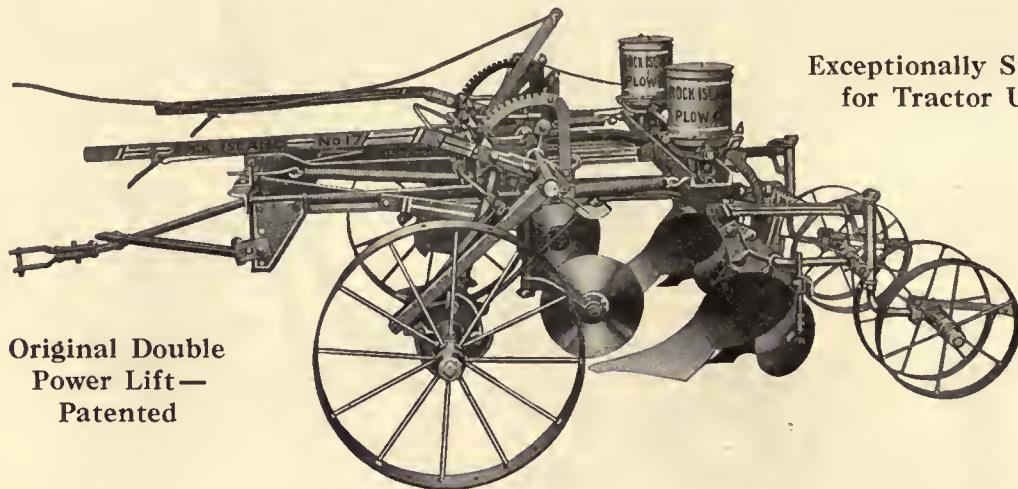
In the wheat-growing sections the No. 25 Lister is used to turn the soil in such a way as to leave alternating ridges and ditches as soon as the crop is out of the ground. This permits the soil to hold the moisture until it can be absorbed by the next crop.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 25 Lister for Corn and Cotton with 2 12-in. bottoms .....	948	Pack
No. 25 Lister for Corn and Cotton with 2 14-in. bottoms .....	953	Packard
No. 25 Lister, Corn only, with 2 12-in. bottoms .....	923	Package
No. 25 Lister, Corn only, with 2 14-in. bottoms .....	928	Packet
No. 25 Lister as Wheat Land Lister, 2 12-in. bottoms .....	742	Pachor
No. 25 Lister as Wheat Land Lister, 2 14-in. bottoms .....	747	Pachot

Extras: Pole attachment; tractor hitch.



## A Real Power-Lift Tractor Lister



Original Double  
Power Lift—  
Patented

Exceptionally Strong  
for Tractor Use

### Rock Island No. 17 Power-Lift Lister

THE Rock Island No. 17 Power-Lift Lister is built strictly for operation behind the tractor.

The Rock Island No. 17 Lister bottom is shaped to turn and cover trash. It makes a cleaner, wider furrow than can be obtained with any ordinary lister bottom. The share is built high—the share instead of the moldboard takes the wear. This is an economy, as it is much cheaper to renew the share than to renew both share and moldboard.

#### Suction Always Constant

No matter whether listing 2 or 9 inches deep, whether the wheels of the No. 17 are running in a ditch or on the ridges, whether splitting or back-listing the ridges, the suction remains constant, because the bottoms always run level. Both bottoms are raised and lowered to the same extent.

#### Double Power-Lift an Exclusive Feature

The method used in raising the No. 17 Lister bottoms out of the ground is a valuable, patented Rock Island feature. The power is derived from both front wheels instead of only one. The

lifting mechanism is simple. A clutch wheel is mounted on each drive wheel. By pulling the rope, the clutch is engaged by a roller arm on each side of the machine. This cranks the axles downward, raising the lister bottoms automatically.

No chains are required. The hang-up is accomplished by a novel friction device. The moment the clutch arm disengages with the clutch wheel, the lister is held in a raised position by a friction dog on each side of the machine.

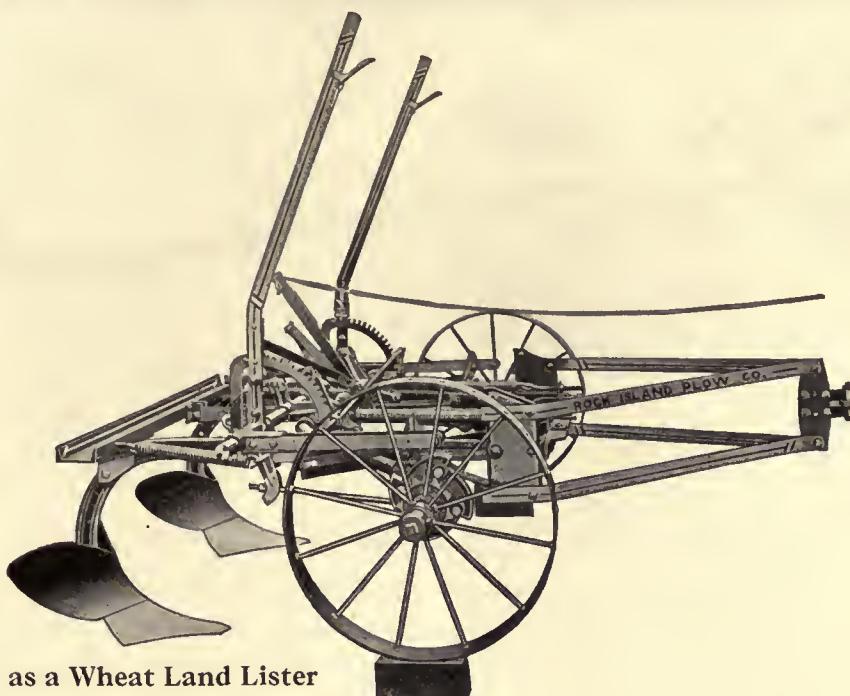
To put the lister into the ground, merely pull the rope. This releases the friction grip on each side. Depth can be regulated to the fraction of an inch by means of the two levers with steel ratchets and the closely spaced notches. Still finer adjustment can be made by means of a screw adjustment on the rod which regulates the axle.

#### Chain-Drive Seeding Mechanism

The seeding mechanism is thrown in and out of gear when lister is lowered and raised. The drive chain is provided with a tightener to take up slack. Either edge drop or flat drop seed plates can be furnished. Flat drop is particu-



## ROCK ISLAND No. 17 POWER-LIFT LISTER—Continued



The No. 17 as a Wheat Land Lister

larly desirable when thin, flat kernels, such as Hickory King corn, are planted.

### Strong, Light Draft

The frame of the No. 17 Lister is firmly braced to stand all strain. The front wheels are 30 inches in diameter with  $3\frac{1}{2}$ -inch flat tires and twelve half-inch round staggered spokes. These wide tires give extra traction. Rear wheels caster on the turn and can be reversed to give a narrow or wide covering track. Either disc or shovel coverers can be furnished, adjustable to any desired depth, width or angle. Shovel shanks are break pin; the discs have dust-proof bearings. The subsoiler can also be adjusted for depth. Thirteen-inch coulter is regularly furnished. The hitch plate is provided with a

series of holes for vertical adjustment and the hitch bar with a series for horizontal adjustment. Break pin is used in the hitch bar to prevent any unnecessary breakage.

The No. 17 is adjustable in width, 3 ft. 2 in., 3 ft. 4 in., 3 ft. 6 in., and 3 ft. 8 in., without disturbing the power-lift mechanism.

### The Rock Island No. 17 as a Wheat Land Lister

As a wheat land lister, the No. 17 has the same power-lift mechanism, beams, bracings, etc., as when used in corn land. The only difference is that the seeding mechanism, rear wheels, covering discs, subsoiler and seeding mechanism drive chain are not used.

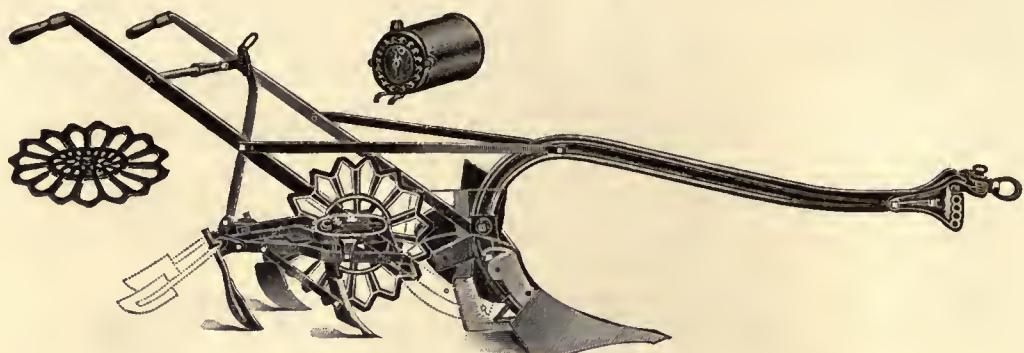
### Specifications

DESCRIPTION	Weight Pounds	Telegraph Code
No. 17 Lister with two 14-inch Bottoms, complete, Disk Coverers and Rolling Coulters.....	1100	Omira
No. 17 Lister with two 14-inch Bottoms, complete, Shovel Coverers and Rolling Coulters.....		
No. 17 Lister with two 14-inch Bottoms, without Seeding Attachment, and equipped with Parallel Hitch, to be used on a Wheat Land or Middle Burster, no Rolling Coulters.....	835	Omiras
Rolling Coulters with Stem and Clamp, extra.....	25	Omirat

NOTE: Power-Lift Lister takes same share as Horse-Drawn Lister.



## Rock Island Walking Listers



View with Moldboard and One Drive Wheel Removed to Show Subsoiler

### Rock Island No. 2 Combined Lister and Drill

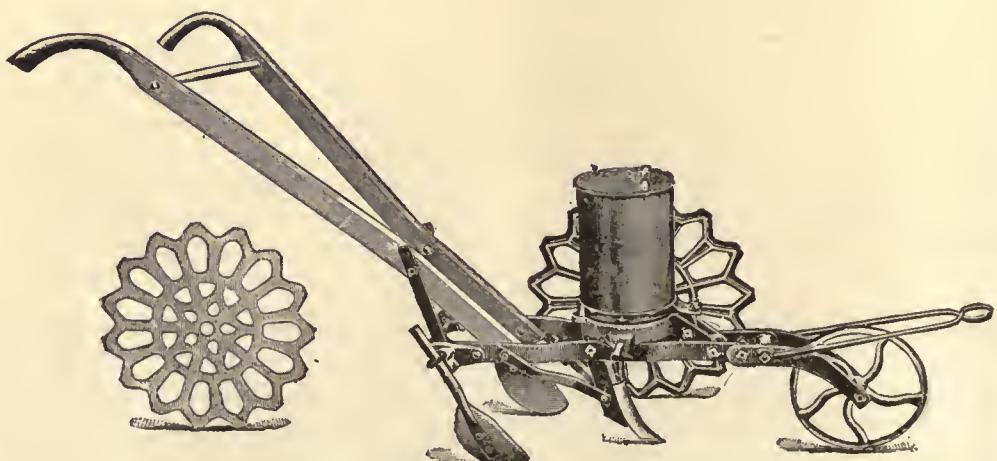
THE No. 2 Combined Lister and Drill offers individual features and combinations far exceeding machines built for similar purposes.

Subsoiler adjustment, arrangement of seed spout, and means of hanging up drill attachment call for particular notice. This machine may be used as a walking lister and subsoiler, or combined lister and drill.

Removable seed box allows seed plates to be easily changed. Bearing down on handles sufficiently to throw the plow out of the ground

automatically hangs up drill attachment. The drive is direct, the two malleable drive wheels acting directly on the dropping mechanism. Eight seed plates are furnished as regular equipment, dropping 6, 16, 18, and 22 inches apart.

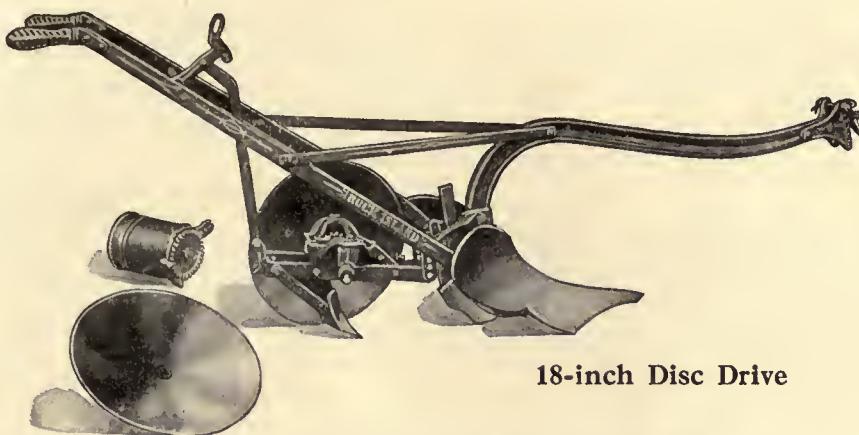
The No. 2 Separate Drill Attachment shown below has the same drive, dropping mechanism, etc., as the No. 2 Combined Lister and Drill, different handles and gauge wheel being furnished with this machine.



No. 2 Separate Drill Attachment (Shovel Coverers)



## ROCK ISLAND WALKING LISTERS



View with Disc and Seed Can Removed, Showing  
Subsoiler and Drive Mechanism

## Rock Island No. 3 Walking Lister

The Rock Island No. 3 Walking Lister is built along the same lines as the No. 2, described on the preceding page, the same plate equipment and driving mechanism being used.

In place of the malleable drive wheels the No. 3 uses two 18-inch covering discs, which can be set at different angles to throw more or less dirt, as the conditions of the soil may require.

A universal joint is provided between the disc and the driving shaft, allowing free action

without any binding or friction at any angle they may be set.

The action of these large driving and covering discs, in conjunction with the subsoiler, leaves the seed bed crowned and mellow, preserving the moisture for the growing plants.

The No. 3 Drill has soft-center moldboard and share. It has steel handles, malleable grips and ample strength beam for the work required of it.

## Specifications

No. 2 and No. 3 combined lister and drill

Steel beam

Subsoil attachment

NUMBER	Drive Wheel	Style of Coverers	Shipping Weight Pounds	Telegraph Code
2	14-in. Direct Drive	Shovel	180	Omis
2A	14-in. Direct Drive	8-in. Disc	186	Omit
3	18-in. Disc Drive	Disc	190	Omiw
2	Separable Drill Attachment	Shovel	68	Omix
2A	Separable Drill Attachment	8-in. Disc	75	Omiy
2	No Drill	.....	112	Omiz



## Rock Island Corn Planters



Rock Island No. 555 Planter on Doonan Farm near Reynolds, Ill.

### Bring Bigger and Better Yields per Acre They Are Accurate

BOTH the Rock Island No. 555 "Cadet" Two-Wheel and No. 444 Four-Wheel are full hill drop planters with round hole plates—the exact number of kernels required is dropped on the upper valve while the lower valve is planting the hill. The valves are perfectly timed. You cannot mix the hills—the double valves prevent it, because one valve is always closed tight when the other is wide open—no possibility of catching and holding some of the kernels destined for the hill.

#### The Lower Valve is Enclosed Within Itself

The lower valve is down in the furrow, protected by the rear of the runner opener so that the kernels are dropped in a bunch. There is no stringing of

kernels. The corn is always deposited as a hill. You get a nice straight check. This means straight rows, which are easy to cross-cultivate. Many hills of corn are saved because of the ease of cultivating on account of the straight check.

The valves are enclosed in the boot and constructed so that when checking there is no opportunity for dirt to interfere and clog.

#### Sight Feed

You can see the corn that is being dropped; you can tell immediately if the hopper is empty. A small glass at the upper end of the shank gives you a sight feed.

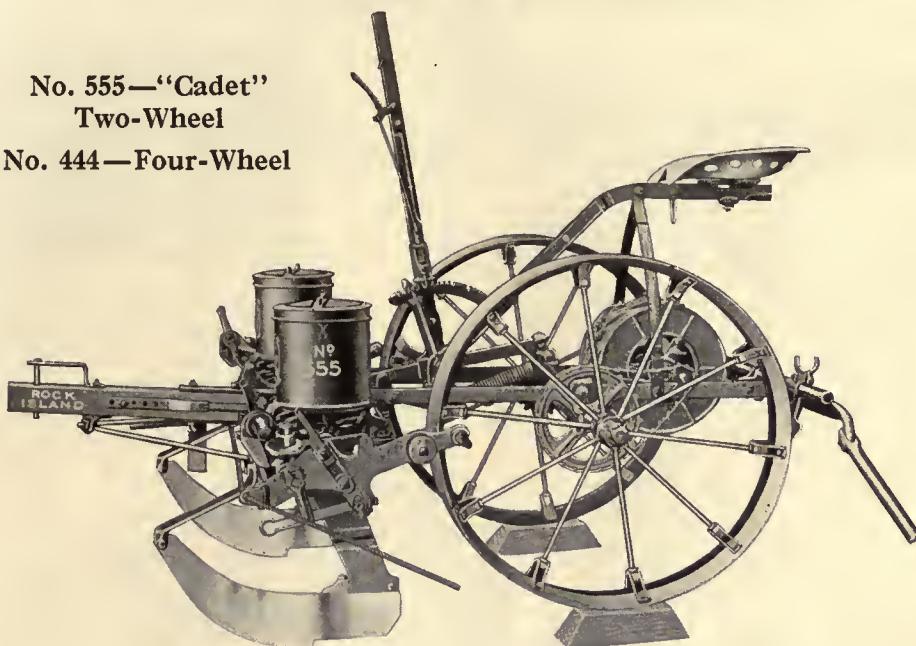
Each cell of the seed plate holds the number of kernels desired to be planted, and the right Rock





## Rock Island Corn Planters

No. 555—"Cadet"  
Two-Wheel  
No. 444—Four-Wheel



### Accurate Full-Hill Drop

Island seed plate can be furnished to handle any size or shape kernels. Round hole plates are used. The greatest care is taken in making these plates, the cells of each plate being reamed to size. Extra plates can be furnished for pop-corn, broom corn, peas, ensilage, etc.

Accuracy of drop is secured in a remarkably simple manner. A plunger from the check shaft revolves the plate, and as the button on the wire engages the check fork it causes the plunger to engage the teeth of the plate, revolving it so that a hill is deposited upon the upper valve.

Foot drop is provided for checking across ends of fields, or, in fact, whenever it is needed.

### Check Heads Exceedingly Easy on Wire

The check heads used on these planters are constructed so as to be exceedingly easy on the wire. There is one idle fork, thereby reducing the wear and the friction. The low construction of the check head reduces friction on the wire. The wire is picked up at a

higher point in front and released at a lower point in the rear. It runs in its natural course. A greater factor of safety is provided for revolving the plate under varying conditions of wire—either slack or tight. The wire is automatically released from the check head when the planter is raised.

### Automatic Marker

The marker is absolutely automatic. No attention need be given marker when turning at the end of the field. There are no ropes, wires, or marker bar to handle.

### Runner Construction

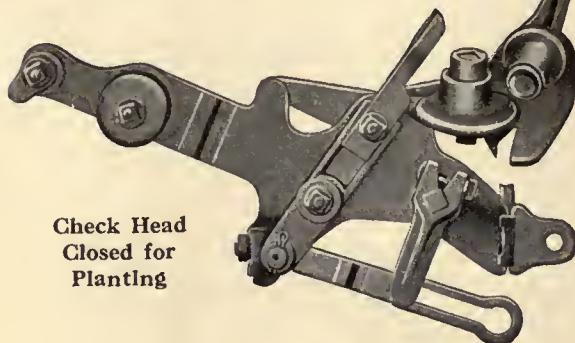
The runner is built longer and wider than the ordinary planter runner, giving a steadier running planter and resulting in longer life. The runner is quick detachable—no rivets have to be cut to remove it.

### Tip-Over Hopper

It is an easy, simple matter to change seed plates on the Rock Island Nos. 444 Four-Wheel and 555 "Cadet" Planters. You do not even



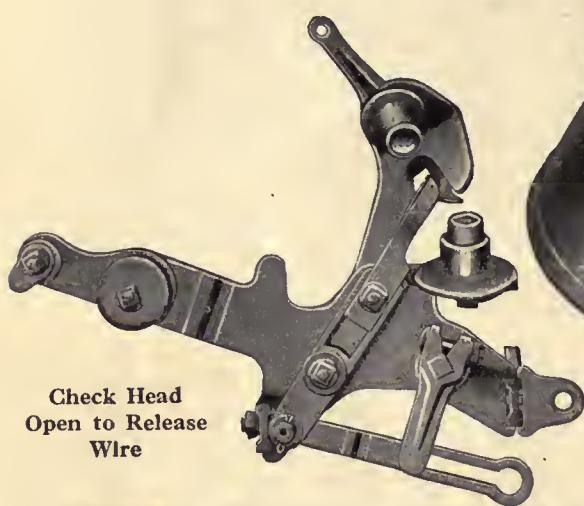
ROCK ISLAND CORN PLANTERS—Continued



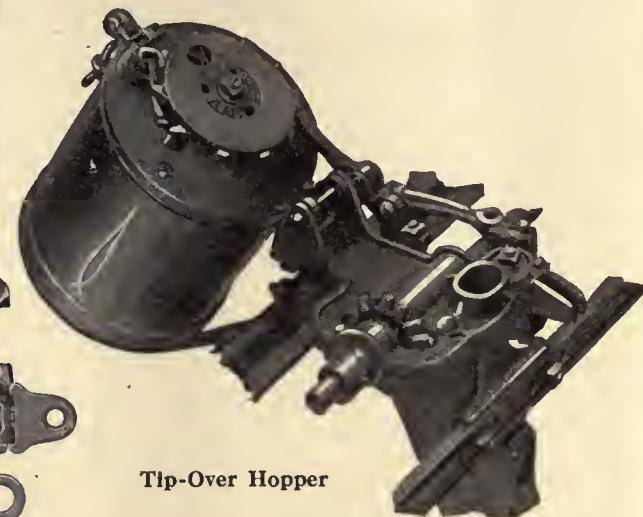
Check Head  
Closed for  
Planting



Friction Reel  
Note Strong, Malleable Head



Check Head  
Open to Release  
Wire



Tip-Over Hopper



Quick Detachable Runner



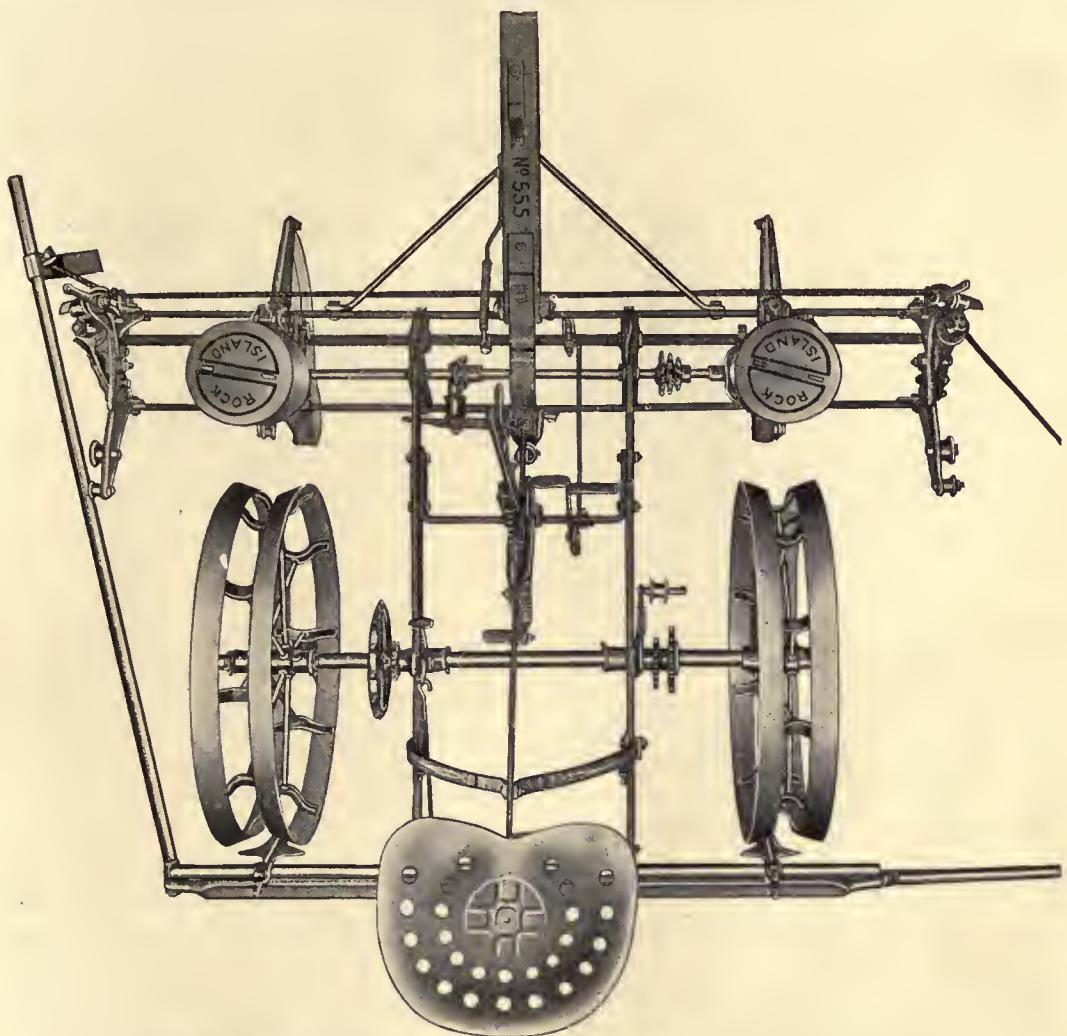
Stub Runner



Single Disc Opener



## ROCK ISLAND CORN PLANTERS—Continued



Overhead View No. 555 Showing Automatic Marker—Note the Simplicity

have to remove seed from the hopper. Simply tilt the hopper forward to change the plates—and you cannot put the plates in wrong.

#### Can Be Used for Drilling

The drilling arrangement of the Rock Island Nos. 444 and 555 Planters is accurate and dependable like the hill drop. It is a built-in feature and not an attachment. It comes regular with each planter. There is always a positive and steady drive, the drill sprocket being driven from the axle. This drilling arrangement per-

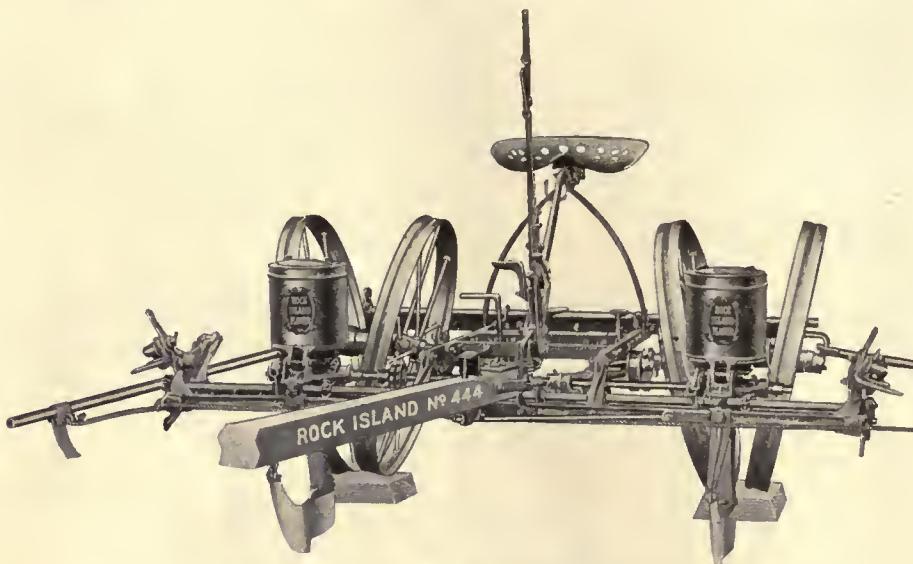
mits six drilling distances with one set of plates, so that you can change drilling distances without changing plates. This drill shaft is equipped with an automatic throwout; when you raise the runners from the ground the clutch is thrown out. The planter operates only when in the ground.

#### Combined Hand and Foot Lever

It is very simple to handle the raising lever, for it is a combined hand and foot lever. The powerful assisting spring makes it very easy to



## ROCK ISLAND CORN PLANTERS—Continued



Rock Island No. 444 Four-Wheel Planter

raise the runners out of the ground. Any boy can operate the lever. The hand latch can be locked out of the ratchet and the planter allowed to float, while the runners will penetrate an even depth. Working in hard ground, the operator can control the depth of planting by either setting the lever or by use of his foot.

### Two or Four-Wheel Planters

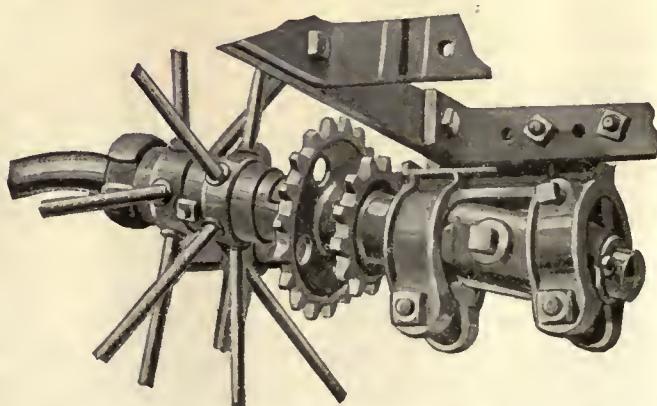
The Rock Island No. 444 and No. 555 Planters are the same general construction—the only difference is that the No. 444 has four wheels; the No. 555 has two wheels.

Some farmers prefer the Rock Island four-wheel type planter because they are of the opinion that the wheels, being close to the furrow runners, cover the seed at a more uniform depth.

Rock Island four-wheel construction has this advantage over other four-wheel planters—the wheels always run true—straight ahead on plumb spokes. The shaft upon which the wheels are carried is connected in such a way that merely loosening two bolts and turning the shaft forward or back by a set screw adjust-

ment increases or decreases the gather of the wheels. Each set of wheels is connected with a universal collar, making both wheels drive wheels. There is no slippage either in drilling or when winding up the wire as would be the case if only one of the wheels was the drive wheel.

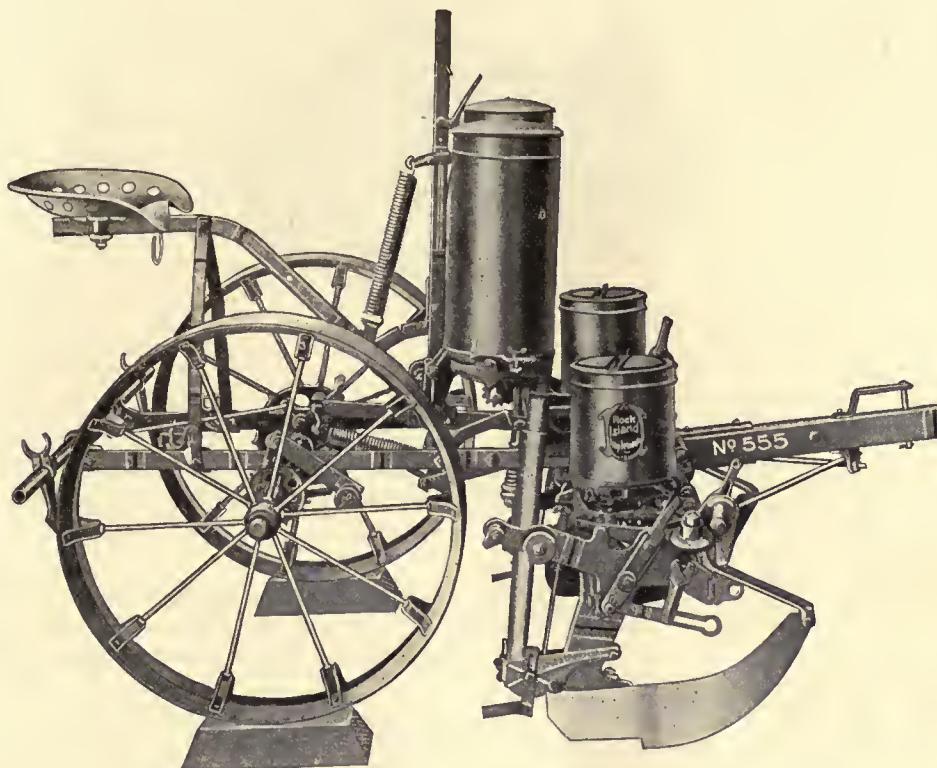
These wheels do not clog or choke in muddy, sticky ground. In lumpy ground the clods are pushed away from the row by the outward or spreading movement of the two wheels from the bottom as they revolve.



Adjustment for Giving Wheels of the No. 444 Four-Wheel Planter More or Less "Gather"



## Rock Island Corn Planters



Rock Island No. 555 Planter with Fertilizer

### Rock Island Fertilizer Attachment

THE Rock Island Fertilizer Attachment is positive in action. Fertilizer is dropped on top of the ground behind hill planted. Amount is easily regulated and attachment is automatically thrown out of gear when planter is raised out of the ground. It is easily attached to planter at any time.

It is driven by a chain from the main axle of the planter, which makes a steady and positive drive.

The feed spouts are directly behind the runner boots, and the dropping device is connected to the rock shaft of the planter in such a way that as each hill of corn is dropped the fertilizer is deposited behind it.

Due to the scatterers located at bottom of spout, a thin layer of soil separates the corn from the fertilizer so they do not come in contact.

The amount of fertilizer used can be regulated by means of a small lever at the base of each hopper. You do not have to change any of the mechanism. You lose no time. This device is simple and effective.

The attachment is automatically thrown out of gear when the planter front is raised out of the ground. Should there be places in the field where no fertilizer is required it can be thrown out of gear by means of a shifting lever, without stopping the team, or in de-



## Rock Island Corn Planters



Can Bottom of Cow Pea Attachment

pressions where the soil is rich, less fertilizer need be used.

The hoppers have exceptional capacity, requiring fewer delays stopping to refill. Contents are constantly agitated to prevent packing and clogging. All parts coming in contact with the fertilizer are galvanized to prevent corrosion.

### Rock Island Cow Pea Attachment

The Rock Island pea attachment consists merely of two hoppers, complete with plates, brackets, seed spouts, chain, sprockets, and in and out of gear clutch. It is driven direct from the drill shaft of the planter, and when the planter is raised out of the ground at the end of the row the pea attachment clutch is automatically disengaged so that no seed is deposited.

The attachment drops the exact number of peas with the corn. It is positive in operation and easy to attach. An exclusive feature is the improved hopper bottom, which adds to the accuracy and durability of this attachment.

On the Rock Island Cow Pea Attachment the peas and corn are in separate hoppers. Pea

hopper is large enough to accommodate a great quantity of seed, preventing the necessity of refilling so often. A tube conducts the peas from the hopper to the seed channel and the peas are dropped with the corn.

The seed plate regulates the number of peas to be dropped, the same as the corn. The drop is positive, accurate, and exceedingly simple.

Cow pea and fertilizer attachments can both be used on the Rock Island Nos. 444 Four-Wheel and 555 Cadet Two-Wheel Planters at the same time corn or other seed is being planted.

### Specifications

Full hill and drill drop.

Three sets hill plates.

One set drill plates.

Thirty-inch wheels.

Automatic marker.

Complete with check rower and 80 rods wire.

Adjustable 3 ft. 4 inches to 3 ft. 8 inches.

Extras—Fertilizer and cow pea attachment (both can be used at same time seed is being planted).

Special 52-tooth ensilage sprocket and chain.

DESCRIPTION	Style of Runners	Shipping Weight Pounds	Telegraph Code
No. 444—4-wheel .....	Shoe	532	Plade
No. 444—4-wheel .....	Single Disc	557	Pladec
No. 555—Cadet 2-wheel.....	Shoe	485	Pladen
No. 555—Cadet .....	Single Disc	510	Pladert



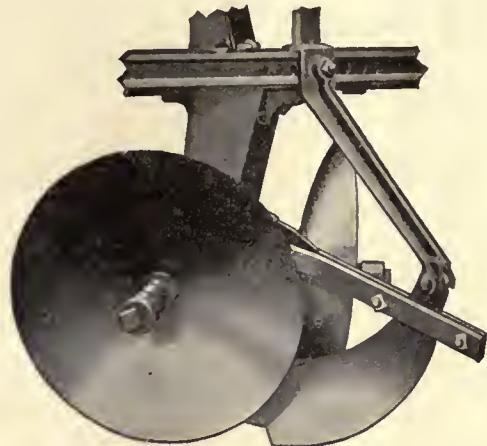
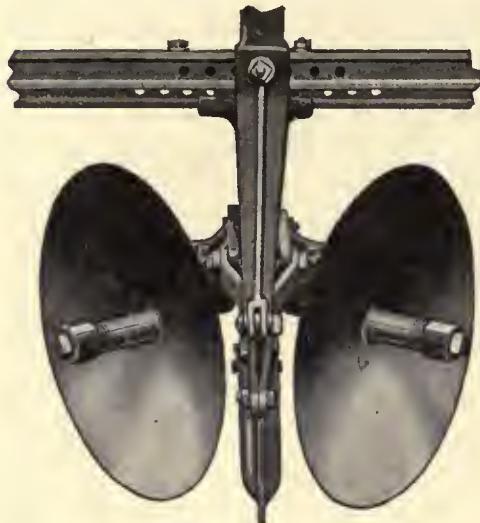
## Rock Island Corn Planters

## Giving Approximate Drilling Distances, No. 444 and No. 555 Planters

No. of Plate	No. of Cells	Size of Cells	Thickness of Plate	Kind of Steel	Hill Drop Gauged by Wire	
					3", 4", 3", 6", and 3", 8"	12-Tooth Sprocket on Axle R-1032
Y-431	10	Diam. -	3/8"	Small Corn	Hill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-432	10	1 1/2"	3/8"	Medium Corn	Hill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-433	10	5/8"	3/8"	Large Corn	Hill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-495	10	9/16"	3/8"	Ex. Lg. Corn	Hill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-437	10	1 1/4"	3/8"	Ex. Sm. Corn	Hill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-438	10 Boss	.....	3/8"	Drill to Suit	Hill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
	Blank			Gauged by Sprockets		18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-434	10	9/16"	5/16"	Small Corn	Drill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-435	10	5/8"	5/16"	Medium Corn	Drill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-436	10	9/16"	5/16"	Large Corn	Drill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-439	18	9/16"	7"	Kaffir, Broom Sorghum	Drill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-440	Blank	.....	5/16"	.....	As Drilled	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-441	10	9/16"	3/8"	Small Corn	Drill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-442	10	5/8"	3/8"	Medium Corn	Drill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-443	10	9/16"	3/8"	Large Corn	Drill Corn	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-444	Blank	.....	3/8"	.....	As Drilled	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031
Y-453	10	5/8"	3/8"	Small Bean	Drill Only	18-Tooth Sprocket on Axle No. 444, R-2018, No. 655, R-1031



## Rock Island Planters



### Universal Disk Furrow Opener

IN SOME sections of the country where there is a lack of moisture, it is often desirable to plant the corn in a furrow, the same as when an ordinary lister is used. The ground is first plowed and thoroughly pulverized, and then the Rock Island Disk Furrow Opener is attached to the runner of the planter, and the corn planted in the furrow much the same as when a lister is used.

It will be seen that by this method the hard ridges left by the ordinary lister are done away with. The pulverized ridges left by the disk furrow opener retain the moisture, and there is less liability of washing out the corn. Cultivating will also be much more thoroughly and satisfactorily done. It will also be found to be desirable in late planting, because the action of the disks kills any weeds which may have started.

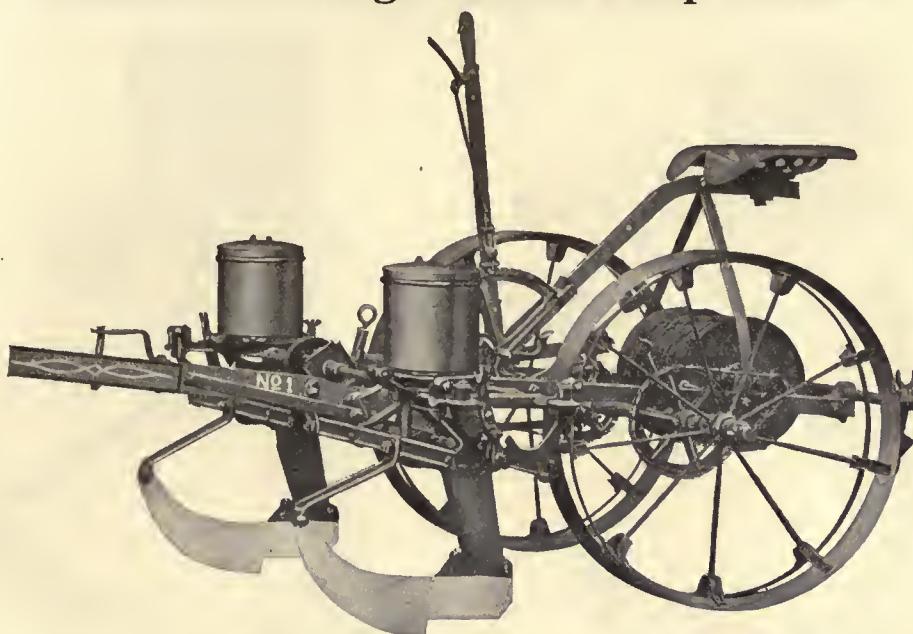
The Rock Island Disk Furrow Opener is made in two sizes, 12-inch and 14-inch disks. It is practically a universal device, fitting nearly all makes of round runner planters, but we only guarantee it to fit Rock Island Round Runner Planters.

The disks are adjustable up or down with relation to the runner, and should be set high enough to allow sufficient earth for the runner to open a furrow and cover the corn. The disks are also adjustable as to angle, so that a narrow or wide furrow can be opened, as desired. This depends largely on the condition and nature of the soil.

The Rock Island Disk Furrow Opener is made of the very best material, and has extra long bearings for the disks. The disks have dust-proof bearings and are oiled by means of a screw cap oiler.



## Convertible Edge or Flat Drop Planter



### Rock Island No. 1 Corn Planter

THE Rock Island No. 1 Planter is noted for its accuracy—it is built right—operates right—and is durable. It can be used either as a flat-drop or as an edge-drop planter.

The hopper bottom is raised in the center and slopes in all directions. The seed plates have the cells in the outer edge, with a flange on the edge-drop plates just inside the cells.

This flange projects upward into the mass of seed in the hopper, agitating the seed and turning the kernels edgewise into the cells. This construction makes a practically perfect drop with selected seed. The hopper base forms the outside wall of the seed cells, and between the front of the cut-off and the knocker this outside wall is cut away, increasing the width of the cells at this point. This is very important if unselected seed is used, as it permits the thick kernels to settle down in the cells before reaching the knocker. If a surplus kernel is drawn under the cutoff, it falls into the by-pass inside the seed channel. The plate then carries it past the knocker and returns it to the hopper instead of dropping it.

The lower side of cut-off, which comes in contact with the corn, is rounded—it does not

wear on the plate and cannot wear sharp and cut into the kernels.

### Convertible Edge and Flat Drop Planter

To change the plates is an easy matter. The hopper tips forward. You do not have to re-



Bottom of Seed Box Construction Insures High Degree of Accuracy



## ROCK ISLAND No. 1 CORN PLANTER—Continued



Set for Drilling



Set for Hill-Dropping

## Rock Island No. 1 Planter Valve Mechanism

move the seed from the can. The gears stay in mesh and cannot get out of time.

The dropping valves are exceedingly simple, positive and accurate, and do not mix hills.

### Positive Valves

Change from hill dropping to drilling is made instantly—no wrenches required. You do not have to stop the team or leave seat.

### A Variable Drop

Unless the land is exceptionally level, parts of the same fields will vary in fertility.

Too much corn on poor ground means small ears and a poor stand, while there is a loss if all the corn the richness of the soil will produce is not raised.

To meet varying conditions requires a durable and dependable variable device.

The Rock Island variable device is the most simple on the market, fewer parts to wear and give trouble, no gears to get out of time. No wear on the variable when planting four kernels in hill or when drilling. The only time the variable is operative is when planting either two or three kernels to the hill.

The Rock Island variable device makes a positive stop at the end of each stroke. All wear is removed from the driving dog, as the clutch wheel travels ahead of the dog at the point of disengagement or release. There being no contact, there can be no wear.

### Positive Clutch

The Rock Island clutch is most positive. There is no possibility of the wire doing the work the wheels and clutch should do. This relieves the strain from the wire and avoids the common trouble.



## ROCK ISLAND No. 1 CORN PLANTER—Continued

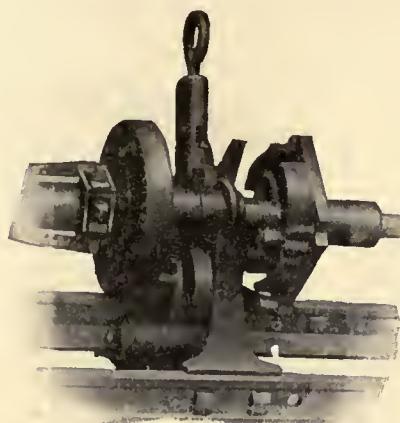


Fig. 1

Detail of Automatic Clutch and Variable Device

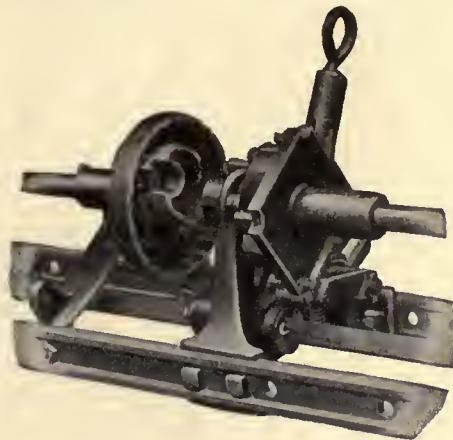


Fig. 2

In the operation of the wire on the forks the wire only operates the valve and releases the clutch.

The Rock Island clutch is an improved pattern, having an internal clutch wheel and eccentric driving dog with a friction roller that engages the notches of the clutch wheel, and

the more the power or load is applied to the driving dog, the tighter becomes the grip.

As the dog disengages from clutch wheel at the end of each stroke, it rolls out of the notches. This makes the planter more accurate and satisfactory.

The clutch is made with large, wide, generous bearings, as nearly dust-proof as possible, and experience has proven that this clutch is exceptionally long-lived.



Tip Over Hoppers Seed Plates Easily Changed

## Plants at Uniform Depth

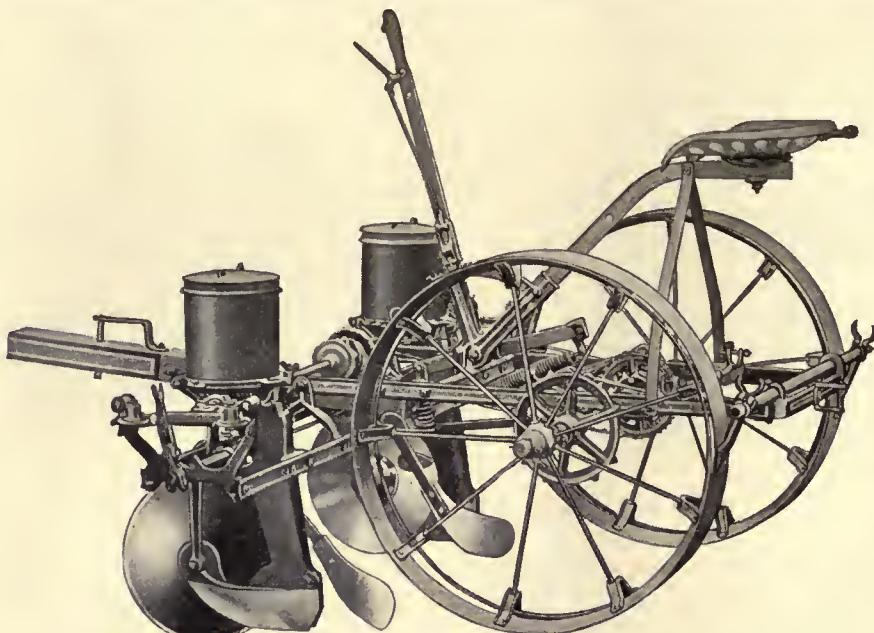
Corn is planted at uniform depth with the Rock Island No. 1 Planter. The connection between the raising lever and rear end of pole is provided with a pressure spring, affording a flexible connection when the planter is used in uneven ground. This insures an even depth of planting.

The raising lever is a combined hand-and-foot lever. A powerful assisting spring makes it easy to lift runners out of the ground.

The hand latch may be locked out of the ratchet and the planter allowed to float while the operator can control the depth of planting with his feet.



## ROCK ISLAND No. 1 CORN PLANTER—Continued



Rock Island No. 1 Planter Equipped with Single Disc Furrow Openers

A foot pedal is provided for foot-dropping across the ends of rows.

### A Malleable Head Friction Reel

The wire reel will not bend out of shape, or come apart when dropped. The reel is conveniently located underneath seat in center of frame.

The friction reel saves time and labor both in stretching and taking up the wire.

### A Substantially Built Planter

The planter is made strong and durable throughout. The frame is flat bar steel, very

strong and rigid. The front frame is bound together in such a way as to insure perfect freedom to all working parts.

The No. 1 is thoroughly standardized. Either 30- or 36-inch concave or open wheels may be furnished. Shoe, stub and single disc runners are interchangeable, without affecting any other part of the planter.

The width is adjustable from 3 feet 4 inches to 4 feet. The change is easily and quickly made. There are no set-screws to loosen or reset, so the gears will not get out of time.

Plates furnished suit average seed corn. Special plates to suit all seed can be furnished. See table.

### Automatic Marker

The No. 1 Planter is furnished regularly with automatic marker. This marker needs no attention of operator, no rope to throw over at end of each row—absolutely takes care of itself. Disc marker can be furnished if desired.



Non-Destructible Friction Reel



## DEALER'S GENERAL CATALOG



## Seed Plates for Rock Island Nos. 1, 4, 10 and 33 Planters

Number of Seed Plate	Number of Seed Cells	Size of Seed	Style of Plate	Kind of Seed	Approximate Drilling Distance, 30" Wheel				Approximate Drilling Distance, 36" Wheel			
					20-Pt. Sprocket on Axle— 6-Pt. Sprocket on Feed Shaft	14-Pt. Sprocket on Axle— 6-Pt. Sprocket on Feed Shaft	11-Pt. Sprocket on Axle— 6-Pt. Sprocket on Feed Shaft	40-Pt. Ensilage Sprocket— 6-Pt. Sprocket on Feed Shaft	22-Pt. Sprocket on Axle— 6-Pt. Sprocket on Feed Shaft	18-Pt. Sprocket on Axle— 6-Pt. Sprocket on Feed Shaft	14-Pt. Sprocket on Axle— 6-Pt. Sprocket on Feed Shaft	40-Pt. Ensilage Sprocket— 6-Pt. Sprocket on Feed Shaft
Y 730	16	Ex. small	Edge	Corn	7"	10"	13"	3½"	8"	9"	13"	4"
Y 731	16	Small	Edge	Corn	7	10	13	3½"	8	9	13	4
Y 732	16	Medium	Edge	Corn	7	10	13	3½"	8	9	13	4
Y 733	16	Large	Edge	Corn	7	10	13	3½"	8	9	13	4
Y 734	16	Ex. large	Edge	Corn	7	10	13	3½"	8	9	13	4
Y 752	16	Small	Flat	Corn	7	10	13	3½"	8	9	13	4
Y 753	16	Medium	Flat	Corn	7	10	13	3½"	8	9	13	4
Y 754	16	Large	Flat	Corn	7	10	13	3½"	8	9	13	4
Y 804	16	.....	Edge	Sorghum Broom Corn and Feterita	7	10	13	3½"	8	9	13	4
Y 805	.....	Blank	Edge	Drill ¼" hole for turnips and celery. Drill ½" hole for millet								
Y 806	16	Small	Edge	Popcorn Cow pea	7	10	13	3½"	8	9	13	4
Y 807	16	Medium	Edge	Popcorn, Beans and Black Soy Beans	7	10	13	3½"	8	9	13	4
Y 808	16	Large	Edge	Popcorn, Beans	7	10	13	3½"	8	9	13	4
Y 809	12	Small	Edge	Corn	9	13	17	4½"	10	12	17	6
Y 810	12	Medium	Edge	Corn	9	13	17	4½"	10	12	17	6
Y 811	12	Large	Edge	Corn	9	13	17	4½"	10	12	17	6
Y 812	8	Small	Edge	Corn	14	20	26	7	16	18	26	8
Y 813	8	Medium	Edge	Corn	14	20	26	7	16	18	26	8
Y 814	8	Large	Edge	Corn	14	20	26	7	16	18	26	8
Y 818	14	Small	Edge	Corn	8	11	15	4	9	11	15	5
Y 819	14	Medium	Edge	Corn	8	11	15	4	9	11	15	5
Y 820	14	Large	Edge	Corn	8	11	15	4	9	11	15	5
Y 821	10	Small	Edge	Corn	11	16	21	5½"	12	15	21	7
Y 822	10	Medium	Edge	Corn	11	16	21	5½"	12	15	21	7
Y 823	10	Large	Edge	Corn	11	16	21	5½"	12	15	21	7
Y 824	6	Small	Edge	Corn	18	26	34	9	20	24	34	12
Y 825	6	Medium	Edge	Corn	18	26	34	9	20	24	34	12
Y 826	6	Large	Edge	Corn	18	26	34	9	20	24	34	12
Y 831	14	Small	Flat	Corn and Country Gentleman Sweet Corn	8	11	15	4	9	11	15	5
Y 832	14	Medium	Flat	Corn	8	11	15	4	9	11	15	5
Y 833	14	Large	Flat	Corn	8	11	15	4	9	11	15	5
Y 834	12	Small	Flat	Corn	9	13	17	4½"	10	12	17	6
Y 835	12	Medium	Flat	Corn	9	13	17	4½"	10	12	17	6
Y 836	12	Large	Flat	Corn	9	13	17	4½"	10	12	17	6
Y 837	10	Small	Flat	Corn	11	16	21	5½"	12	15	21	7
Y 838	10	Medium	Flat	Corn	11	16	21	5½"	12	15	21	7
Y 839	10	Large	Flat	Corn	11	16	21	5½"	12	15	21	7
Y 840	8	Small	Flat	Corn	14	20	26	7	16	18	26	8
Y 841	8	Medium	Flat	Corn	14	20	26	7	16	18	26	8
Y 842	8	Large	Flat	Corn	14	20	26	7	16	18	26	8
Y 843	6	Small	Flat	Corn	18	26	34	9	20	24	34	12
Y 844	6	Medium	Flat	Corn	18	26	34	9	20	24	34	12
Y 845	6	Large	Flat	Corn	18	26	34	9	20	24	34	12
Y 871	16	Small	Flat	Corn	7	10	13	3½"	8	9	13	4
Y 872	16	Medium	Flat	Corn	7	10	13	3½"	8	9	13	4
Y 873	16	Large	Flat	Corn	7	10	13	3½"	8	9	13	4
Y 874	14	Small	Flat	Corn	8	11	15	4	9	11	15	5
Y 875	14	Medium	Flat	Corn	8	11	15	4	9	11	15	5
Y 876	14	Large	Flat	Corn	8	11	15	4	9	11	15	5
Y 877	12	Small	Flat	Corn	9	13	17	4½"	10	12	17	6
Y 878	12	Medium	Flat	Corn	9	13	17	4½"	10	12	17	6
Y 879	12	Large	Flat	Corn	9	13	17	4½"	10	12	17	6
Y 880	10	Small	Flat	Corn	11	16	21	5½"	12	15	21	7
Y 881	10	Medium	Flat	Corn	11	16	21	5½"	12	15	21	7
Y 882	10	Large	Flat	Corn	11	16	21	5½"	12	15	21	7
Y 883	8	Small	Flat	Corn	14	20	26	7	16	18	26	8
Y 884	8	Medium	Flat	Corn	14	20	26	7	16	18	26	8
Y 885	8	Large	Flat	Corn	14	20	26	7	16	18	26	8
Y 886	6	Small	Flat	Corn	18	26	34	9	20	24	34	12
Y 887	6	Medium	Flat	Corn	18	26	34	9	20	24	34	12
Y 888	6	Large	Flat	Corn	18	26	34	9	20	24	34	12
Y 889	16	Small	Flat	Popcorn Popcorn, Cow pea Popcorn, Soy Beans (Tan) and Sugar Beets	7	10	13	3½"	8	9	13	4
Y 890	16	Medium	Flat	Popcorn, Soy Beans (Tan) and Sugar Beets	7	10	13	3½"	8	9	13	4

\*Plates for alternating 2 and 3 kernels in hill on No. 1 Planter. Be sure to set variable lever on "4."

SEED PLATES FOR ROCK ISLAND Nos. 1, 4, 10 AND  
33 PLANTERS—Continued

Number of Seed Plate	Number of Seed Cells	Size of Seed	Style of Plate	Kind of Seed	Approximate Drilling Distance, 30" Wheel				Approximate Drilling Distance, 36" Wheel			
					20-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	14-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	11-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	40-Pt. Ensilage Sprocket—6-Pt. Sprocket on Feed Shaft	22-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	18-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	14-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	40-Pt. Ensilage Sprocket—6-Pt. Sprocket on Feed Shaft
Y 891	16	Large	Flat	Popcorn, Large Yellow Soy Beans	7	10	13	3½	8	9	13	4
Y 892	.....	Blank	Flat	Drill $\frac{1}{4}$ " hole for turnips and celery. Drill $\frac{1}{2}$ " hole for millet. Drill $\frac{1}{4}$ " hole for popcorn and cow peas	.....	.....	.....	.....	.....	.....	13	4
Y 893	16	.....	Flat	Sorghum, Broom	7	10	13	3½	8	9	13	4
Y 905	16	Medium	Flat	Hickory corn	7	10	13	3½	8	9	13	4
Y 906	12	Medium	Flat	Hickory corn	9	13	17	4½	10	12	17	6
Y 907	8	Medium	Flat	Hickory corn	14	20	26	7	16	18	26	8
Y 909	16	Small	Thick	Hickory corn	.....	.....	.....	.....	.....	.....	.....	.....
Y 910	16	Medium	Thick	Ensilage	7	10	13	3½	8	9	13	4
Y 911	16	Large	Thick	Ensilage	7	10	13	3½	8	9	13	4
Y 912	20	Small	Flat	Ensilage Beans	7	10	13	3½	8	9	13	4
Y 914	16	Ex. small	Flat	Corn	7	10	13	3½	8	9	13	3
Y 927	16	Small	Edge	Yellow Dent	7	10	13	3½	8	9	13	4
Y 928	16	Medium	Edge	Yellow Dent and Country Gentleman	.....	.....	.....	.....	.....	.....	.....	.....
Y 929	16	Large	Edge	Sweet Corn	7	10	13	3½	8	9	13	4
R1213	30	Large	Edge	Yellow Dent Beans	7	10	13	3½	8	9	13	4
R1349	4	Large	Edge	Corn	3½	5	6½	1½	4	5	6	2
R1352	16	Ex. large	Thick	.....	28	40	51	14	31	37	48	17
*R1548	16	Small	Flat	Lima beans	7	10	13	3½	8	9	13	4
			Edge	Popcorn	7	10	13	3½	8	9	13	4
				Baby rice	7	10	13	3½	8	9	13	4

\*Use special plate holder R-1524.

All regular corn plates for No. 1 Planter have 16 cells, and by means of variable drop mechanism, two, three, or four kernels can be dropped in each hill. The change is made by shifting variable lever without stopping team. For drilling, be sure to set variable lever on "4."

For best results, be sure you have the right seed plate before planting. If you do not have the right seed plate send us sample of your seed, stating how you want to plant it, and we will furnish the correct plate for seed to be planted.

The No. 4 Planter is not a variable drop but

it is an automatic hill drop, and will plant in hills without wire, approximately 28, 40, and 50 inches apart and with special 40 tooth sprocket 14 inches apart. Plates have to be changed for changing number of kernels in hill. 16-cell plate plants 4 kernels in hill, 12-cell plate plants 3 kernels in hill, and 8-cell plate plants 2 kernels in hill.

The Nos. 10 and 33 (Drill only) Planters have extra 10 tooth sprockets on drill shafts, and with 16-cell plate 30 or 36" wheels, will drill approximately 12, 17, and 21 inches apart.



## Rock Island No. 1 Corn Planter



### Rock Island No. 1 Planter with Fertilizer

THE Rock Island Fertilizer Attachment has a steady and positive drive.

The feed spouts are directly behind the runner boots, and the dropping device is connected to the rock shaft of the planter in such a way that as each hill of corn is dropped, the fertilizer is deposited around it. A thin layer of soil separating the corn from the fertilizer. A scatterer located at bottom of feed spout insures this. The amount of fertilizer used can be regulated by means of a small lever at the base of each hopper.

The attachment is automatically thrown out of gear when the planter front is raised out of the ground. Should there be places in the field where no fertilizer is required, you can throw it out of gear by means of a shifting

lever, without stopping the team. The hoppers have exceptional capacity. The contents are constantly agitated to prevent packing and clogging.

### Special Ensilage Sprocket

An Ensilage sprocket can be furnished for the Rock Island No. 1. It is a split sprocket and easily attached. This sprocket permits the drilling of corn  $3\frac{1}{2}$  inches apart with a 16-hole plate, or  $2\frac{1}{2}$  inches apart with a 20-hole plate.

### Cow Pea Attachment

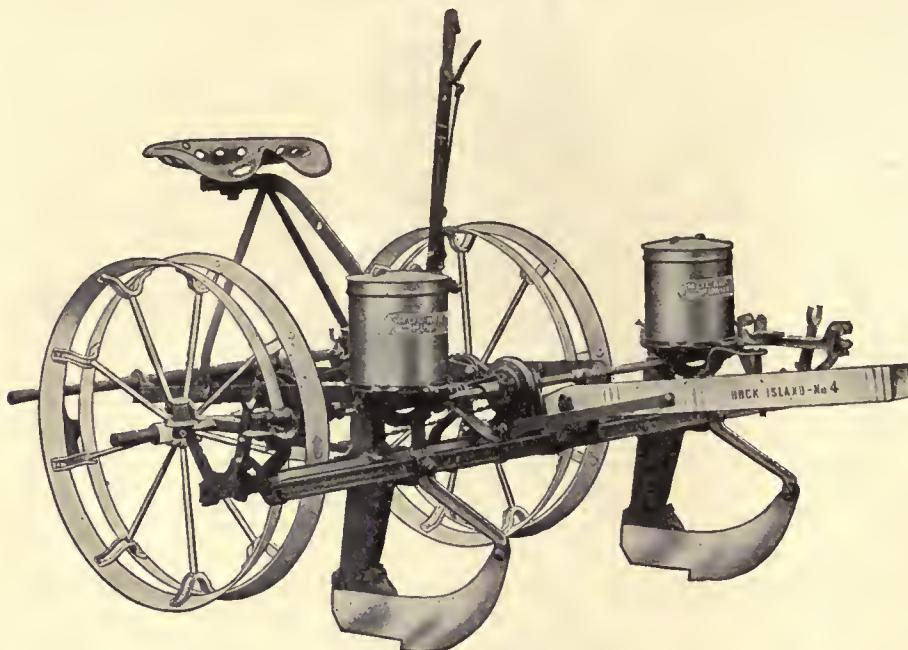
Cow Pea attachment can be furnished which drops peas at the same time corn is being planted. The Cow Pea and Fertilizer attachment cannot be used at the same time.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 1 Planter, Concave 30-in. Wheels Shoe Runner .....	479	Plant
No. 1 Planter, Open 30-in. Wheels Shoe Runner .....	486	Planted
No. 1 Planter, Concave 36-in. Wheels Shoe Runner .....	503	Planting
No. 1 Planter, Open 36-in. Wheels Shoe Runner .....	512	Plants
Fertilizer Attachment for 30-in or 36-in Wheels .....	....	.....
Cow Pea Attachment for 30-in or 36-in Wheels .....	....	.....

When ordering, specify whether shoe, stub, or single disc openers are desired.



## For Corn, Beans, etc.—Can be Adjusted for Narrow Rows



### Rock Island No. 4 Planter

THIS planter is adjustable from 28 to 44 inches. This narrow adjustment makes the Rock Island No. 4 particularly adaptable for beans, peas, etc. If desired to plant in rows closer together than 28 inches, the field can be double-planted by straddling every second row, making rows 14 to 22 inches apart.

#### Automatic Hill Drop

The crop can be planted in hills with or without using the wire. The automatic hill drop plants hills either 28, 40, or 50 inches apart as desired, and is a very simple, easy method of planting where no cross cultivation is required.

#### Convertible Drop

Either edge or flat drop plates can be used with the Rock Island No. 4 Planter, also straight flat drop for extra wide kernels can be furnished.

The sloping hopper bottom, specially designed cut-off and knocker make the No. 4 Planter accurate.

#### Planter can be Used as a Drill

The plates regularly furnished will drill 7 to 26 inches apart. The changes are effected by using different sprocket wheels on the axle and plates with different numbers of holes. Special plates can be furnished if desired.

#### Even Depth Planting

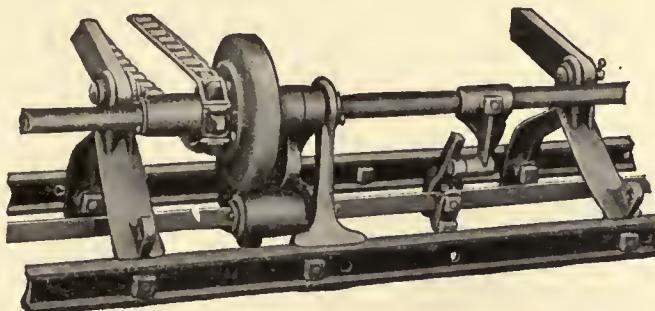
The connection between the raising lever and rear end of pole is provided with a pressure spring. This affords a flexible connection—very desirable when planter is used on uneven ground. It insures even depth of planting and greatly reduces danger of breakage when the runners encounter a ridge or when the wheels drop into a depression.

#### Valve Mechanism

Each valve holds a hill of corn. The stroke of the check fork quickly opens and closes both valves. The lower hill of corn is dropped into the ground and the upper hill dropped to the lower valve. The clutch engages the drill



## ROCK ISLAND No. 4 PLANTER — Continued



Automatic Hill Drop (No Variable Drop)

An Arm on the Drill Shaft trips an Arm on the Valve Shaft. Notice that the Arm on Drill Shaft has a Roller—no friction when it encounters the Arm on Valve Shaft, hence easy operation and long life.

shaft and another hill of corn is deposited on the upper valve. Thus the second stroke of the check fork finds a hill of corn waiting at each valve. This drop is simple, positive, and accurate.

The kick-back valve cannot clog in sticky ground, and places the hills in perfect check.

### Easy on Wire

There is practically no strain on the wire, as the check forks do nothing but work the valve. Everything else is driven by the chain from the axle.

The check heads are made to insure quick and free delivery of the wire when they are unlocked.

### Automatic Clutch

The clutch used on this planter is simple, positive and durable.

The clutch engages at the proper time and gives a full hill. The greater the strain thrown on it the tighter it grips.

The driving dog has an anti-friction roller, which engages the notches of the clutch wheel.

There is also a roller on the stop, which

trips the clutch. This insures ease and smoothness of operation.

The bearings of this clutch are very wide, and are protected from dust as far as possible. These features add very greatly to the durability of the clutch.

The wire does nothing but trip the valve shaft. This operates the valves and releases the driving dog from the stop, permitting it to engage the clutch wheel.

The wire can't be made to do any of the work that the wheels, drive chain and clutch should do.

### Specifications

Convertible drop; either edge or flat drop plates.

Hill drop—Either wire or automatic. Can be used as drill only—Foot drop.

Wheels—30-inch, open tires, regular; concave when so ordered.

Sight feed.

Tip-over hoppers.

Friction reel.

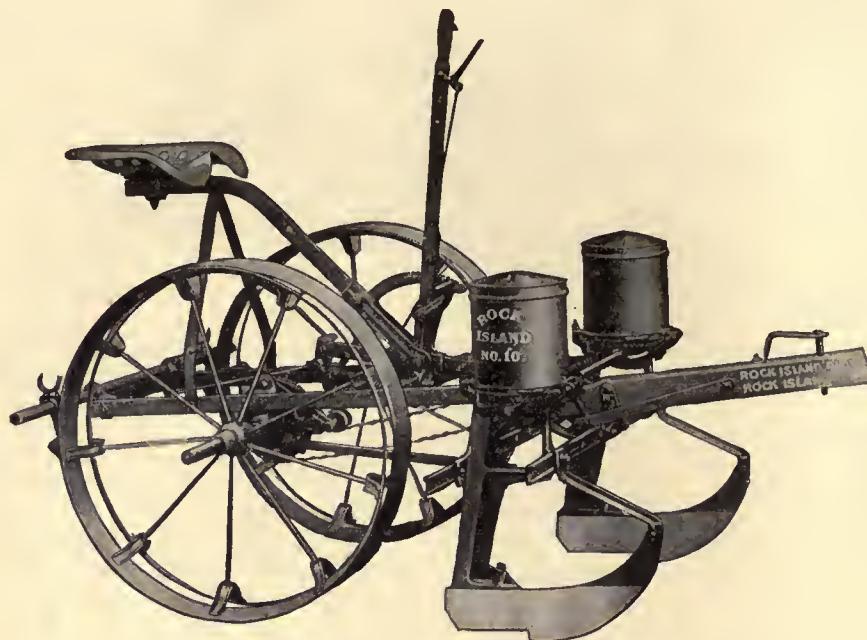
Disc marker.

Extras: Fertilizer attachment; Single disc or stub runner and automatic marker.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 4 Planter, Open 30-in. Wheels Shoe Runner .....	469	Plantage



## A Two-Row Planter For Drilling Only



### Rock Island No. 10 Planter

THE Rock Island No. 10 Planter, is a very popular type of planter in many parts of the United States.

It is a drill only and is equipped with convertible drop—either edge or flat drop plates can be used, or as a flat drop only—both accurate. Hopper bottoms are the same as used on Rock Island No. 1 Planters.

It is adjustable in width 28 to 44 inches—therefore can be used for planting a big variety of crops. Six different drilling distances with each set of plates. Automatically thrown out

of gear when raised. The No. 10 is perfectly balanced and easily operated.

#### Specifications

Drill only.

Convertible drop. Edge and flat drop plates or flat drop only.

Open 30- or 36-inch wheels regular—concave when so ordered.

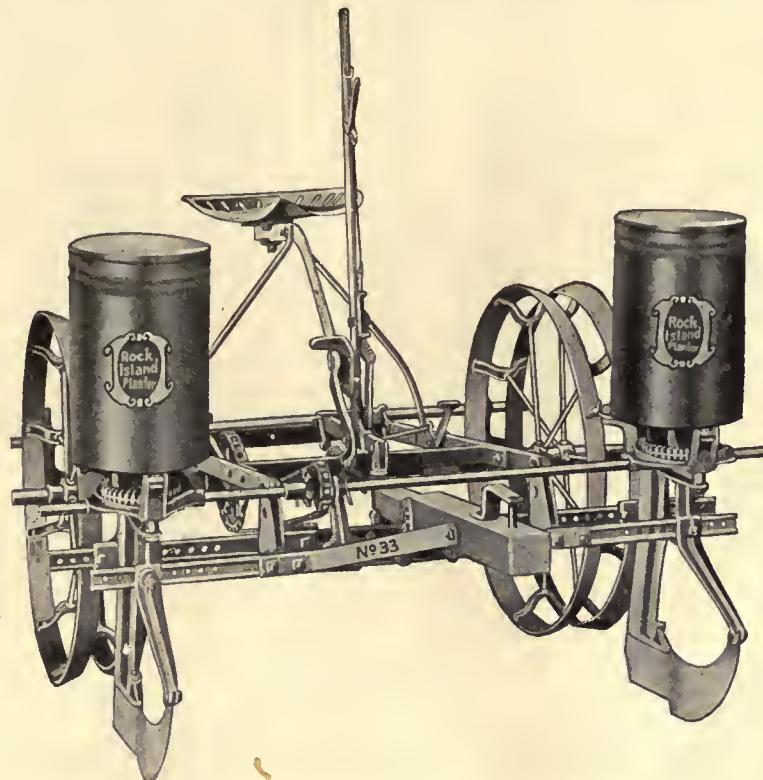
Disc marker regular—automatic marker extra.

Fertilizer attachment, stub runners, or single disc runner extra.

Trade Number	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
10	Two-row Corn Drill, 30-inch Concave Wheel.....	345	Tacy
10	Two-row Corn Drill, 30-inch Open Wheel.....	330	Tad
10	Two-row Corn Drill, 36-inch Concave Wheel.....	370	Tadg
10	Two-row Corn Drill, 36-inch Open Wheel.....	355	Tadi



## For Planting Cotton, Corn, and Other Seed



### Rock Island No. 33 Cotton and Corn Planter Drill Only

THE Rock Island No. 33 will plant a great variety of seeds, including cotton, corn, kaffir and other seeds.

#### Rock Island Rotary Cotton Drop

The No. 33 will plant cotton at an even depth, in as large or as small a quantity as desired. The agitator and the feed wheel working against each other separate the matted cotton seed, and the teeth of the feed wheel delivers the seed evenly into the spout. The feed wheel is notched—it delivers seed evenly—not in bunches. Quantity planted is regulated by sliding the feed gate in or out.

#### Flat Drop Seed Plates

Seed plates can be furnished for practically any kind of corn, including Hickory King, and

for other seeds, and give a wide range of dropping distances. Six different drilling distances with each set of plates. Flat drop seed plates, which together with improved Rock Island hopper construction, have proved highly satisfactory, are used.

Seed cans are easily and quickly removed to clean out the seed, to change seed plates, or to change from corn to cotton planting and back to corn planting.

Planter is thrown into gear by releasing the foot lever and out of gear by pressing this lever down.

The substantial, well braced, simply constructed frame, double bearing drill shaft under each hopper, large capacity seed cans, wheel scrapers, and convenient automatic marker



## Rock Island No. 33 Planter



### Rock Island No. 33 Planter with Fertilizer

are other features which make the Rock Island No. 33 Planter do good work for many years.

#### Fertilizer Attachment

The Rock Island No. 33 Planter can be furnished with attachment which handles any standard fertilizer at the same time seed is being planted. Merely move the lever at base of fertilizer hoppers to regulate amount used. Fertilizer parts can be thrown out

of gear independently of the seed planting parts.

#### Specifications

Rotary picker wheel cotton drop.

Flat plate corn drop.

Drill only.

30-inch or 36-inch open wheels—automatic marker.

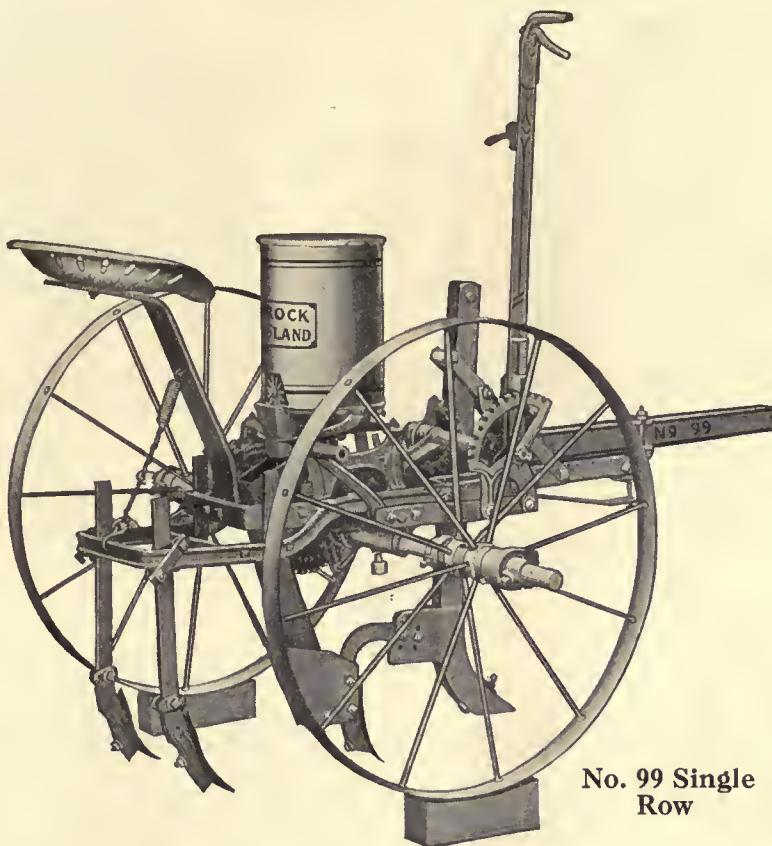
Adjustable 2 feet 8 inches to 4 feet.

DESCRIPTION	Weight	Code
No. 33 Open Wheels, 30-inch, Shoe Runner . . . . .	400	Taeter
No. 33 Open Wheels, 36-inch, Shoe Runner . . . . .	429	Taeto
No. 33 Open Wheels, 30-inch, Single Disc . . . . .	430	Taetop
No. 33 Open Wheels, 36-inch, Single Disc . . . . .	459	Taetoz

Extras: Fertilizer attachment, cow pea attachment, two-horse evener, disc marker, closed wheels if ordered.



## Single Seed Variable Drop Cotton and Corn Planters



No. 99 Single Row

### Rock Island Nos. 99 and 299 Cotton and Corn Planters

THE Rock Island Nos. 99 and 299 are "single-seed," variable drop cotton planters, and round hole plate, corn planters with variable drop. They plant perfectly on beds or in furrows and do not bunch, scatter, or crack cotton seed. The corn drop is accurate and does not grind maize or kaffir.

The No. 99 is one row; No. 299 is two row.

#### Uniform Cotton Drop

The Rock Island Single Seed Cotton Drop has proved where the drop is uniform the quantity of seed planted can be reduced, thus not only saving high-priced seed, but a great deal of labor in chopping.

The cotton plate has a series of cells at the

outer edge. The plate and cells are so shaped that the seed is forced into the cells. The agitator attached to the plate forces the cotton seed toward the cells and prevents bridging.

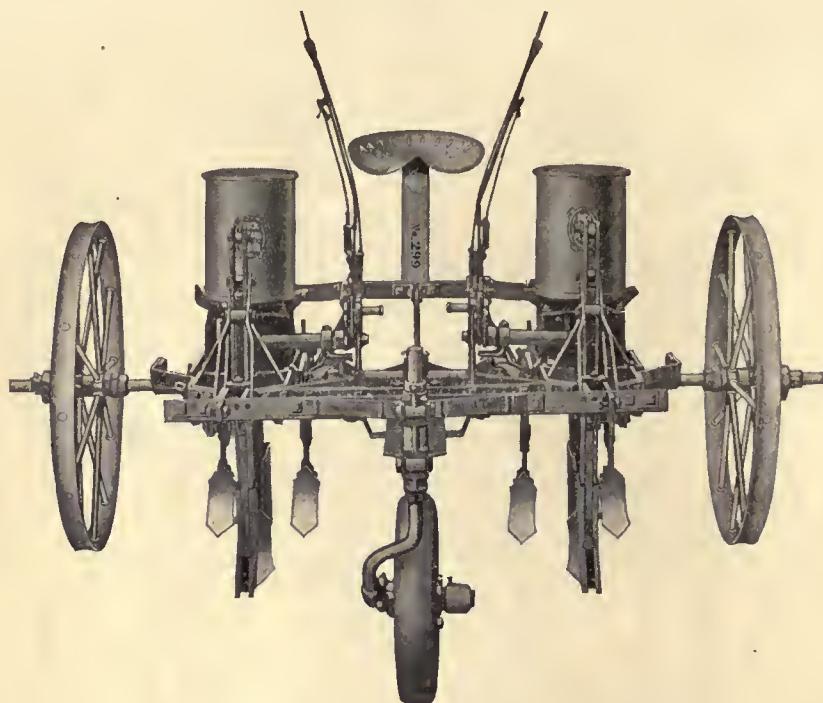
Two springs and a pin are provided to insure the cells filling accurately and retards the revolving action of the seed.

To prevent more seed following around to the dropping point, a spiral-shaped cut-off is provided, which allows only the seed in the cells to pass to the ejector wheel which forces the seed into the boot.

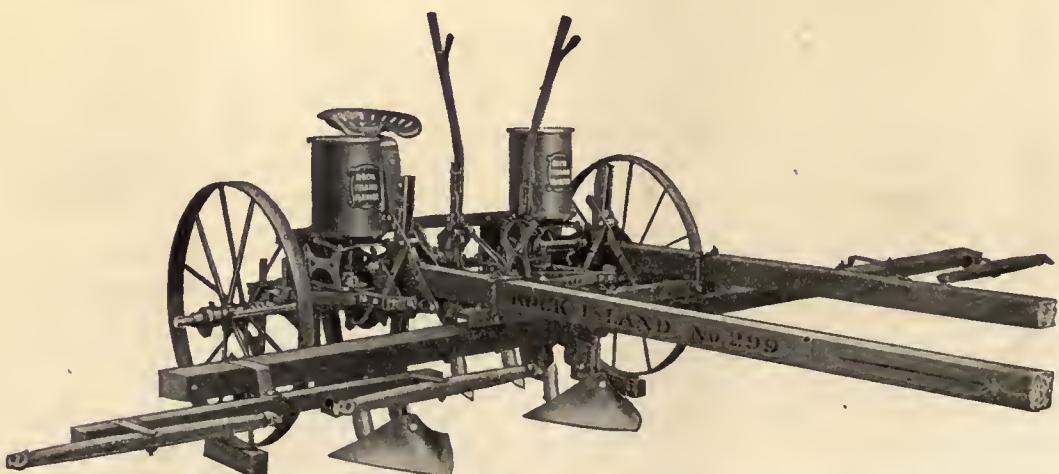
Linty cotton seed often hangs to the plate, therefore a second spiral-shaped cut-off for the under side of the plate beyond the ejector wheel is provided. This usually forces any



ROCK ISLAND Nos. 99 AND 299 COTTON AND  
CORN PLANTERS—Continued



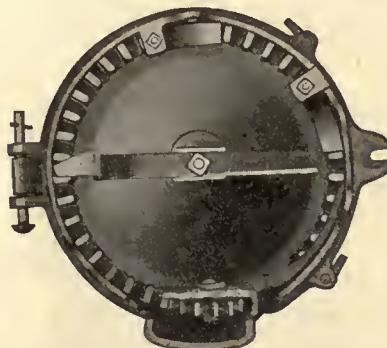
Rock Island No. 299 Two-Row Cotton and Corn Planter  
with the Original Single Wheel Fore-Carriage



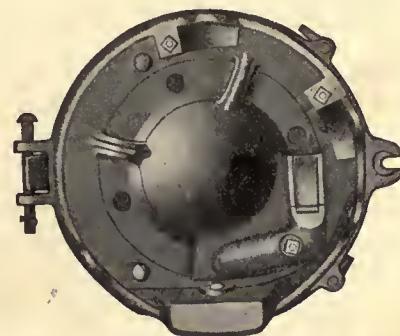
No. 299 Cotton and Corn Planter with Two-Pole Equipment and 4-Horse Wood Evener



## ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS—Continued



Single Seed Cotton Drop, Showing Ejector Wheel, Agitator, and Non-Cracking Device



Single Seed Cotton and Corn Drop, Showing Can Equipped with Corn Bottom

seed which may have hung to the plate into the boot, but a by-pass is provided which passes any seed which still hangs to the plate back into the hopper without injury to the seed. This cotton drop seldom cracks a seed.



Tip-Over Hopper, Showing Ease of Changing Plates—Cotton Plate Shown

### Special Designed Corn Drop

The corn drop is specially designed to insure accuracy and to eliminate cracking of seed.

Notice particularly—

The tight-fitting center bearing,  
The raised center corn plate,  
The three-point plate holder,  
The improved cut-off.

This corn drop will not crack maize, kaffir or sorghum.

### Sight Feed

To be sure there are no skips in the field, due to cans being empty, the can is cut away so that the point at which the seed leaves the plate is always in full view of operator.

### Tip-Over Hopper

The tip-over hopper is a great convenience and time saver. For instance, to change from cotton to corn bottom, tip the hopper over, loosen the thumb-latches, slip out cotton bottom and replace with corn bottom.

The cotton and corn plates are also easily and quickly changed, and the change is made without taking the seed out of the hopper. All plates go in from the bottom of the can instead of the top, as is ordinarily done. This makes changing plates or bottoms a very simple matter.



## ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS—Continued

### The Variable Drop

In order to insure the desired stand, three dropping distances have been supplied for each plate.

The three dropping distances are governed by a hand lever within easy reach, which permits perfect regulation of the seed planted while the planter is in motion.

This is particularly valuable where the ground is not of uniform fertility. With the variable drop and the plates supplied as regular equipment practically any result desired, in planting, can be obtained.

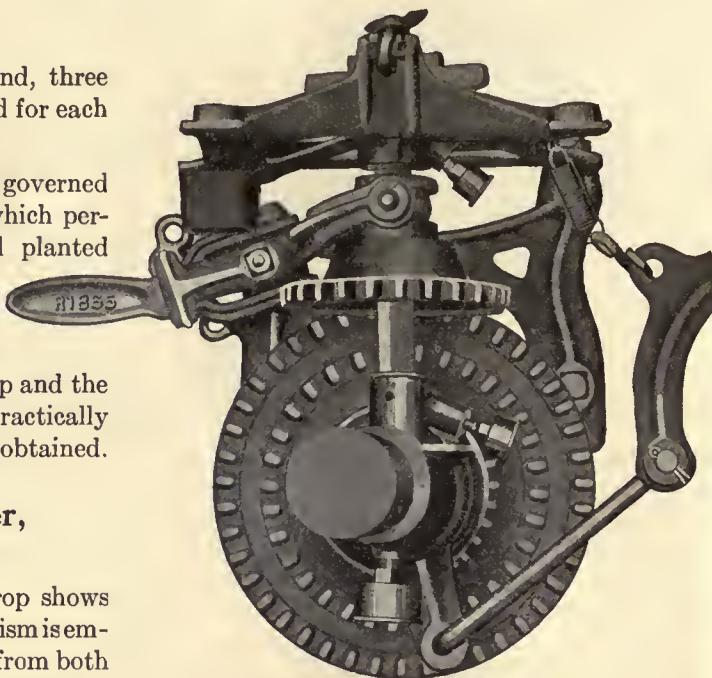
### Correct Positive Center, Double Drive

The illustration of the variable drop shows that the simplest possible drive mechanism is employed. Seeding mechanism is driven from both wheels, thus producing a positive drive with no side draft. Rock Island planters are famous on account of a center drive clutch, which eliminates side draft. The clutch drives the main gear, which has three sets of teeth for three different speeds. The clutch is automatically thrown out of gear when planter is raised.

The seed plate driving pinion is mounted on the center drive square shaft, which is supported by a chilled bearing at each end.

The seed plate is directly driven by the square shaft, a lever being attached to the driving pinion for shifting this pinion into engagement with either of the three sets of gears on the driving gear plate. Shifting lever is locked into engagement at the speed desired.

Extra large teeth are used in the gears—they are essential to long life on cotton planters.



Detail View of Variable Drop Construction

The gears are always in mesh but only revolve when planting. Great care has been used to supply lubrication to all bearings, screw cap hard oilers being used at important points of wear.

### Independent Foot Lever for Raising Covering Shovels—Easy to Clear Trash

A convenient foot lever makes it easy to clear trash by raising the covering shovels out of the ground without disturbing the planting mechanism. This foot lever when pressed down to the extreme raises covering shovels out of ground. The covering shovels are returned to working position by tripping the foot lever.

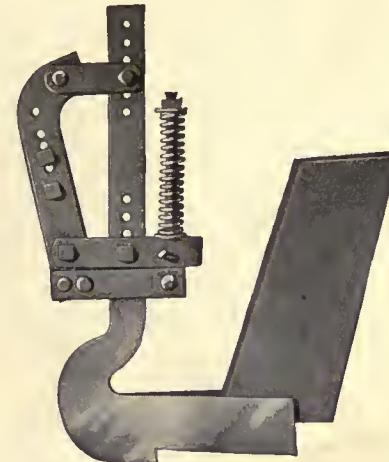
Variable Speed Lever Set at	3-Cell Corn	4-Cell Corn	5-Cell Corn	6-Cell Corn	27-Cell Cotton	40-Cell Cotton
Slow	46 $\frac{1}{4}$ "	35"	28"	23"	5 $\frac{1}{4}$ "	3 $\frac{1}{2}$ "
Medium	31 $\frac{1}{4}$ "	23 $\frac{1}{2}$ "	19"	15 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "
Fast	22 $\frac{1}{2}$ "	17"	13 $\frac{1}{2}$ "	11"	2 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "



## ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS—Continued



**Spring Trip Opening Shovel**—Used on Nos. 99 and 299



**Improved Design Runner Opener,**  
with Skag for Making  
Narrow Trench

When working in hard ground or when going over a depression the covering shovels may be depressed as much as desired by pressing the foot rest on the left side of the covering shovel frame.

A spring expansion chain from the seat to the covering shovel frame allows the shovel frame to float so that the shovels conform to the depressions in the land.

### Three Styles of Openers

The plain break pin shovel opener is generally used in old well-cleared ground.

The spring trip shovel opener is used where ground has roots, grubs, stones, etc.

The spring pressure runner opener is usually used in sandy soils or where there are obstructions, such as roots, etc. The runner will ride over the top of these obstructions.

### Change from Planting High Beds to Deep Furrows Instantly

The standard is made of two pieces of hard steel with malleable raising and lowering rack, rigidly braced, and is adjustable to plant either on high beds or in deep furrows.

An additional hand latch on the main lifting lever in connection with the ratchet on main lever shaft makes it easy to adjust the standard for work at increased depths or on high beds. No wrenches are necessary to make this adjustment.

### Always Have Rigid Standard

An exclusive feature of these planters is a slotted cam casting at the rear of standard which supports a bolt that carries a large anti-friction roller and provides a practical means for taking up wear and assuring a rigid standard at all times.



## ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS—Continued

### Wheel Width



The Pressure Wheel Attachment as Furnished for the Nos. 99 and 299



Depth adjusting Ratchet with Auxiliary Ratchet for Additional Depth and Bedding

### Press Wheel Attachment

Press Wheel Attachment should be used with the runner opener, for it packs the loose soil and prevents seeds from blowing away. The Press Wheel Attachment is easily attached or taken off.

### Strong Frame Construction

The frame will stand the strain under all conditions, being exceptionally strong. The long main axle bearings and the base of the seed can are all bolted to the frame, thus tying all working parts securely together.

### Steel Stub Tongue

The Rock Island No. 99 has a steel stub tongue built into the frame, and it only re-

quires one bolt through the wooden pole. The pole is held securely and rigidly in place by means of clamps. You will appreciate the extra size pole.

The doubletrees are attached directly to the steel stub pole, which is another feature of strength.

### Choice of Wheels

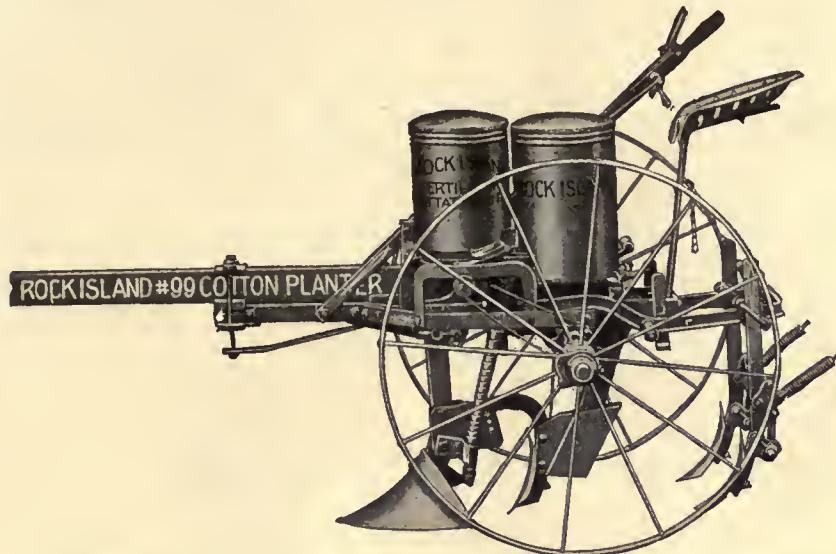
Added strength is obtained through the use of staggered spokes. Either concave or flat tires will be supplied as ordered.

The wheels revolve with the axle on two large bearings which are lubricated with hard oilers. This construction adds greatly to the life of the planter and insures very light draft.

Adjustment can be made quickly and easily by loosening four set screws and changing position of wheels on axle.



## ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS—Continued



Rock Island No. 99 Cotton and Corn Planter with Fertilizer Distributor

The fertilizer attachment for the No. 99 Planter meets the requirements of a commercial fertilizer. It distributes evenly in quantity required.

A special feature of this fertilizer attachment, and one which makes it almost impossible to choke, is a scraper or feed which scrapes the fertilizer off the base. The scraper is pivoted to the base so that it remains in a natural position regardless of the amount of fertilizer distributed. The quantity is regulated by loosening two thumbnuts to change feed opening. The fertilizer is distributed back of and

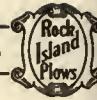
on top of the seed, but is separated from the seed by a thin layer of pulverized soil, so that the seed will not burn.

### Specifications—No. 99 Single Row Planter

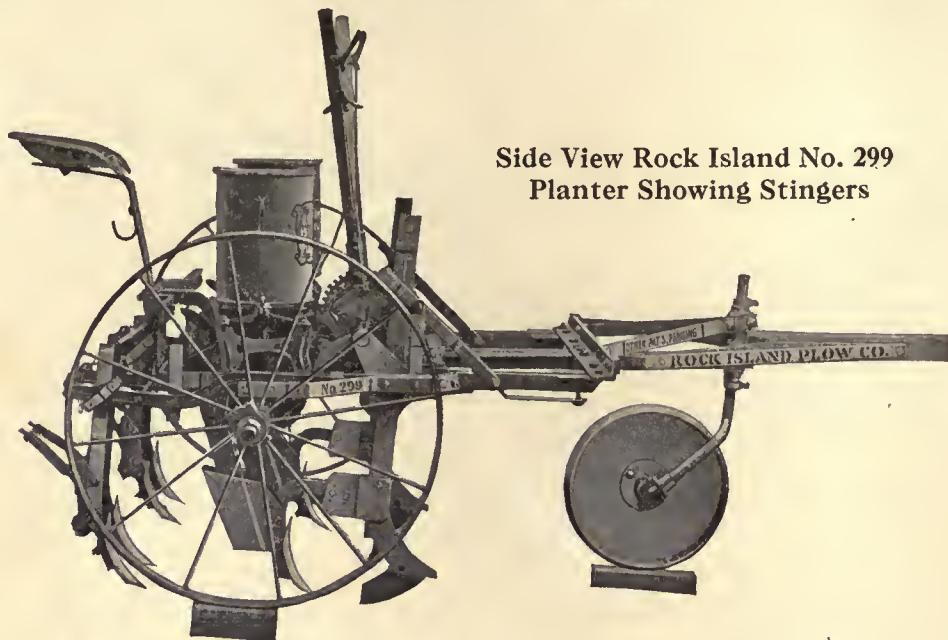
Variable Single Seed Drop.  
Double drive.  
Thirty-six-inch wheels. Flat or concave tires.  
With doubletree and neckyoke.  
No bottom or sweep.

DESCRIPTION	Style of Opener	Style of Coverers	Shipping Weight Pounds	Telegraph Code
No. 99 Planter.....	Break Pin	Break Pin	408	Tadn
No. 99 Planter.....	Break Pin	Spring Trip	413	Tado
No. 99 Planter.....	Spring Trip	Break Pin	413	Tadr
No. 99 Planter.....	Spring Trip	Spring Trip	418	Tads
No. 99 Planter.....	Runner	Break Pin	414	Tadt
No. 99 Planter.....	Runner	Spring Trip	419	Tadu
*14-inch Middle Burster Bottom.....			34	Tadv
*18-inch Sweep.....			11	Tadw
*20-inch Sweep.....			12	Tadx
*22-inch Sweep.....			13	Tady
*Fertilizer Attachment.....			42	Tadz
*Press Wheel Attachment.....			24	Tae

\*Special equipment at extra cost.



## Rock Island Nos. 99 and 299 Cotton and Corn Planters



### Rock Island No. 299 Cotton and Corn Planter

THE Rock Island No. 299 Cotton and Corn Planter has all of the good features embodied in the No. 99, such as an accurate seed-dropping mechanism, including variable drop, sight feed, tip-over hoppers, double drive, rigid standards, adjustable for planting high beds or deep furrows, pin break, spring trip, or spring pressure runner openers and shovel coverers.

Two additional features make this one of the most successful machines ever built—its strong frame and convenient fore-carriage.

We have never had an instance where the frame of the Rock Island No. 299 Planter has been twisted out of shape.

Side View Rock Island No. 299 Planter Showing Stingers

The fore-carriage carries the weight of the front end of the planter, also of the eveners, and, therefore, relieves horses of considerable neckweight, besides steadyng the planter.

#### Specifications for No. 299 Two-Row Planter

Variable single seed drop.

Double drive.

36-inch wheels, either flat or concave tires.

Single wheel Fore-carriage—Either Oval Tire Pan wheel or "V" Tire Cast wheel.

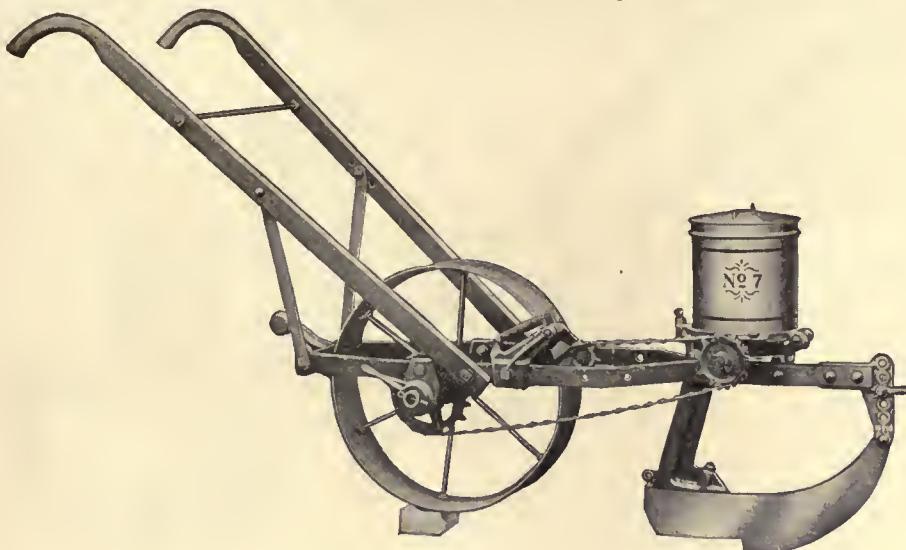
Single Drop Tongue.

No. 139 4-Horse Wood Evener.

DESCRIPTION	Weight Pounds	Code
No. 299 Planter, Break Pin Opener and Break Pin Covering Shovels—no Bottom or Sweep.	979	Taeo
No. 299 Planter, Break Pin Opener and Spring Trip Covering Shovels—no Bottom or Sweep.	985	Taed
No. 299 Planter, Spring Trip Opener and Break Pin Covering Shovels—no Bottom or Sweep.	985	Taeef
No. 299 Planter, Spring Trip Opener and Spring Trip Covering Shovels—no Bottom or Sweep.	995	Taeag
No. 299 Planter, Runner Opener and Break Pin Covering Shovels—no Bottom or Sweep.	985	Taeh
No. 299 Planter, Runner Opener and Spring Trip Covering Shovels—no Bottom or Sweep.	995	Taeck
No. 299 Planter, Two-Pole Equipment, No. 139 4-Horse Wood Evener—no Fore-carriage	....	Taers
3-Horse Evener, to equip No. 139 4-Horse Evener as a 5-Horse (Can be used only with Two-Pole Equipment)	....	....
2-Press Wheel Attachments.	60	Taeer
2-14-inch Middle Burster Bottom for No. 299 Planter	70	Tael
2-18-inch Sweep.	22	Taem
2-20-inch Sweep.	24	Taeu
2-22-inch Sweep.	26	Taep



## Easy to Guide—Perfectly Balanced



### Rock Island No. 7 One Horse Corn Drill

THE Rock Island No. 7 plants corn of all kinds, broom corn, sorghum, kaffir corn, beans, cow peas, pop corn, turnips, celery, etc. A great variety of seed plates can be furnished.

It can be equipped with either convertible drop—either edge or flat drop plates can be used or flat drop only.

#### Convertible Edge or Flat Drop

The hopper bottom is constructed so that when edge drop plates are used the drop is almost perfect if the seed is uniform. Provision is made in the hopper bottom for taking care of the smaller or larger sized kernels. A special flat drop bottom can be furnished.

The convertible drop meets all requirements in nearly all cases, for use with either edge or flat drop plates, but a straight flat drop equipment, for extra wide kernels, can be furnished if desired. When this equipment is wanted, a hopper bottom is furnished very similar to that in the convertible drop, but with wider seed channels and slightly different bottom plate.

With this hopper bottom only flat drop plates can be used. Wider kernels can be planted with this equipment than with the flat drop plates in the convertible drop.



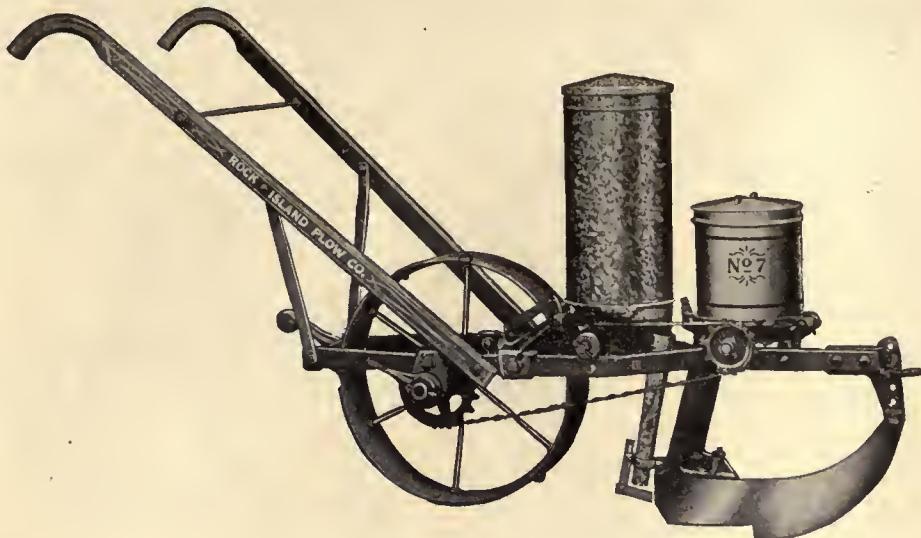
Bottom of Seed Box,  
Flat Drop Only

#### General Construction—Chain Drive

The seed box tilts forward to change plates. You don't need to empty the box.



## ROCK ISLAND No. 7 CORN DRILL—Continued



## Rock Island No. 7 Drill, Equipped with Fertilizer

This planter is strong and substantial, easy to handle, convenient in every way, reliable and accurate.

The steel frame, firmly bolted together, gives the necessary strength and rigidity.

The steel wheel is strong, with broad concave tire. To provide ample driving power when fertilizer attachment is used, we furnish driving lugs with the fertilizer attachment, which can be quickly attached to the wheel if needed.

The wheel scraper is provided with a weight to hold it either against the wheel or away from it, as conditions require.

The foot trip shown on right side, at the axle, throws the machine in or out of gear.

The handles are adjustable up and down. The hitch can be adjusted up and down as required.

## Fertilizer Attachment

This attachment is driven by the same chain that drives the dropping mechanism. Easy to attach and adjust.

The feed spout is behind the runner boot. The scatterer back of runner boot permits the seed to be slightly covered and kept from direct contact with the fertilizer.

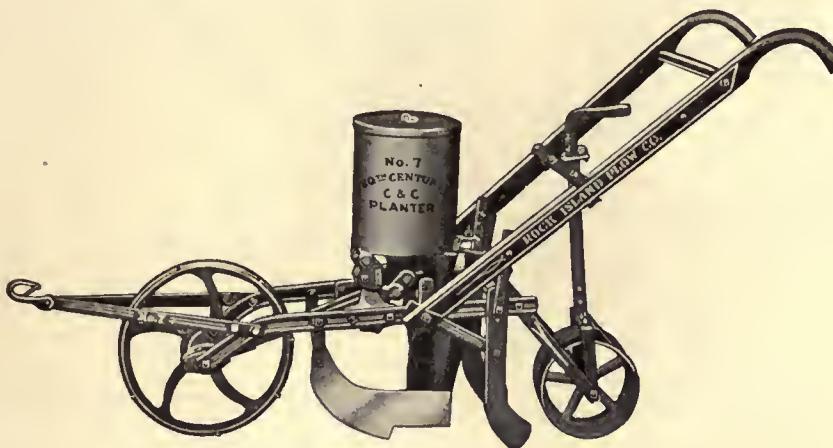
The amount of fertilizer used can be regulated by means of a small lever at the base of the hopper. The feed is made positive by constant agitation of the contents of the hopper. This device is effective with all kinds of commercial fertilizer.

The fertilizer attachment stops when the planter is thrown out of gear. It can also be instantly thrown out of gear independent of the planter if there are parts of the field where no fertilizer is required.

NUMBER	DESCRIPTION	Weight, Pounds	Code
7	Corn Drill, without Fertilizer .....	102	Planula
7	Corn Drill, with Fertilizer .....	136	Planular



## The Original Double Pitman Drive Cotton and Corn Planters



### No. 7 Twentieth Century Cotton and Corn Planter, with Press Wheel Attachment

ONE of the features which has made the Rock Island "Twentieth Century" Planters so popular is the famous Double Pitman drive. Two strong driving arms, *both inside the frame*, drive the bevel gear under the seed box, which meshes into and drives the bevel gear at the bottom of the seed box, revolving the seed plates.

This drive is very simple, substantial, and does the work right. The alternate stroke eliminates any possibility of its ever stopping on center.

#### A Strong Frame

The frame is constructed from high carbon channel steel and is properly braced. It's a frame that is strong and durable. The handles are adjustable to suit the operator.

#### Adjustable Bail Hitch

Adjustable bail hitch is provided so that the drive wheel will always have proper traction.

#### Plants a Variety of Seed

The "Twentieth Century" Cotton and Corn Planter plants corn, cotton, kaffir, peanuts, peas, beans, sorghum, gourd, cane, and broom corn.

The "Twentieth Century" Planter has the celebrated Rock Island combined edge and flat drop corn plates. The corn cut-off is fitted with ring ejector, which revolves every time a kernel is dropped, and guarantees a perfect drop. It never wears out. Corn can be planted different distances apart. Each corn plate is numbered in inches, giving the distance it will drop. The sight feed enables the operator to see at all times just the quantity of seed being planted.

Two peanut plates can be furnished for the "Twentieth Century"—one 3-hole peanut plate and one 6-hole peanut plate, planting 20 and 12 inches apart, respectively.



## “TWENTIETH CENTURY” COTTON AND CORN PLANTERS

### Continued

Famous Double  
Pitman Drive



### No. 5 “Twentieth Century” Cotton and Corn Planter

Planter is easily thrown in and out of gear by raising or lowering a lever which locks on the frame.

These planters can be equipped with either the “V” type driving wheel for black, waxy soil; the “Lug” type for the light, sandy soil; or the combination type drive wheel.

#### Two Types “Twentieth Century” Planters

The No. 5 has shovel opener and shovel coverer. The shovels are the friction break type, acting as shock absorber all along the line, saving considerable breakage in the course of a year. The shovel shank is made adjustable for obtaining just the desired pitch by resetting bolt at top of shovel. The heel slides are mighty useful—they prevent shovels from going too deep into very light, sandy soil.

The No. 7 “Twentieth Century” is a runner opener and spoon coverer type. It is very successful in planting in rough and grubby ground. The opener and coverers can easily be adjusted for depth.

#### Press Wheel Attachment

Press wheel can be easily and quickly attached to any “Twentieth Century” Planter. However, the press wheel attachment is more generally used on the runner opener type of planter. It bolts onto the frame. The wheel is adjustable to the required depth by a notched center lift feature which keeps the planter perfectly balanced at all times. This wheel is also equipped with an adjustable scraper.

#### Fertilizer Attachment

A fertilizer attachment can be furnished in place of the regular seed can on the “Twentieth Century” Planter at additional cost.

The fertilizer cannot be distributed at the same time seed is planted.

#### Specifications

Cotton and corn. Steel frame.

Double Pitman drive.

Choice of wheels—“V” type, “Lug” type, or combination wheel.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 5 “Twentieth Century” C & C Planter (Shovel Opener).....	107	Taf
No. 7 “Twentieth Century” C & C Planter (Runner Opener).....	106	Tafa
Press Wheel Attachment, extra.....	23	Tae
Peanut Attachment (Plate Type), extra.....	3	Taez



# Positive Gear Drive Cotton and Corn Planters



## No. 3 Empress Cotton and Corn Planter with Press Wheel Attachment

THE Rock Island "Empress" is a gear drive planter in the simplest form, being driven by a wheel through the medium of bevel gears. These gears are attached to the steel drive shaft with bevel gears for operating seed plates at the bottom of seed can. The drive gears are enclosed and the gear and box in the drive wheel are removable, making it easy to clean or adjust whenever it is necessary. The bevel gears are strengthened by long, large bearings to insure satisfactory wear.

The "Empress," in addition to planting cotton, also handles kaffir, peas, beans, sorghum, gourds, peanuts, and broom corn.

### Large Capacity Seed Box

The Rock Island "Empress" has an exceptionally large seed box, giving a capacity of one-half bushel when planting the fluffy cotton seed. It is fitted with sight feed. To regulate the feed, simply loosen the thumbscrew and push the slide at bottom of seed can in and out.

It is a very easy matter to change the plates for planting different kinds of seeds.

### Three Drilling Distances With Each Set of Plates

With the "Empress" you have three speeds which can be changed by simply loosening the nut in the brace which is connected to the drive shaft. This allows the gears to mesh in the speed desired.

To throw the "Empress" in or out of gear just lower or raise the lever which locks on the planter handle.

### Strong Frame—Bail Hitch

The frame of the "Empress" is all steel and thoroughly braced. It will stand up and do the work for many years.

An adjustable bail hitch is provided which insures proper traction.

Three styles of driving wheels, the "V" type for black, waxy soils; the "Lug" type for light, sandy soil; or a combination tire drive wheel can be furnished for this planter.

### Both Openers and Coverers Are Easily Adjusted

The No. 1 "Empress" has shovel opener and



## ROCK ISLAND "EMPRESS" COTTON AND CORN PLANTERS Continued



### No. 1 Empress Cotton and Corn Planter

shovel coverers. Both opener and coverers are easily adjustable to different depths of planting. All three shovels are the friction break type and are double-pointed, giving double life. The shovel shanks are adjustable. Any desired pitch may be obtained; the heel slide equipment prevents going too deep in light, sandy soil.

The No. 3 "Empress" has runner opener and spoon coverers. The runner is adjustable for different depths of planting. The spoon coverers also have an easy adjustment for both angle and depth.

#### Press Wheel Attachment

Press wheel can be quickly attached to any "Empress" Planter. However, the press wheel attachment is more generally used on the runner opener type of planter. The wheel is adjustable to the required depth by a notched center lift feature which keeps the planter

perfectly balanced at all times. This wheel is also equipped with an adjustable scraper.

#### Peanut Plates—Extra

The peanut plates furnished for the "Empress" are—one bottom plate; one gear ring; one 3-hole plate, planting 20, 24, and 30 inches apart, and one 6-hole plate, which plants 10, 12, and 15 inches apart.

#### Specifications

Cotton and corn.

Gear drive—Three Speeds.

Choice of wheels: "V" type, "Lug" type, or combination type

#### Planting Distances

4-hole plate—15, 20, and 25 inches.

5-hole plate—12, 15, and 18 inches.

7-hole plate—8, 12, and 15 inches.

DESCRIPTION	Weight Pounds	Code
No. 1 "Empress" C & C Planter (Shovel Opener).....	98	Taew
No. 3 "Empress" C & C Planter (Runner Opener).....	94	Taex
Press Wheel Attachment, extra.....	23	Taey
Peanut Attachment (Plate Type), extra.....	5	Taez



## Rock Island No. 8 Planter



Rock Island No. 8 Combined Cotton and Corn Planter with Fertilizer Attachment

THE Rock Island No. 8 Planter, in addition to planting cotton and corn, is well adapted to handle peas, beans, sorghum, and similar seeds. The two wheels make it easy to balance, easy to follow ridges, and give a positive drive. Spring pressure runner furrow opener for seed and double-pointed friction-break shovel opener for fertilizer. Swing hitch enables operator to finish rows close to the end and yet keep the planter on the bed; also horse or mule can avoid obstructions without pulling planter off the bed. Flexible two-section drag shoe coverers leave a smooth level layer of soil over the seed.

On the No. 8 Planter the shovel shank is adjustable. Also the sweep blades. They can be raised up or down to suit the operator and conditions. This insures planting at any depth desired, and also insures even planting.

The main side wheels are in perfect line with the seed as it is deposited, so that it can be regulated under all conditions. This is especially desirable in shallow planting.

### Runner for Water Furrow

The sweeps can be easily removed and every planter is furnished with an extra special runner for planting in the furrow. The runners can be quickly changed.

### Fertilizer Attachment

The Rock Island No. 8 Planter can be furnished with fertilizer attachment.

Where the fertilizer is used, it puts it in below the seed, and, at the same time, there is a layer of fine dirt placed between. This saves considerable time over the old method.

The fertilizer opener shovel is ahead of the seed opener, runs a little deeper, and, in this way, makes a soft pulverized layer of soil underneath, as well as on top of the seed.

### Specifications

One horse—walking. Cotton and corn. Steel construction. Side wheel drive. Press wheel attachment extra.

Number	DESCRIPTION	Weight Pounds	Code
8	Cotton and Corn Planter. . . . .	141	Plantver
8	Cotton and Corn Planter, Shovel Opener, and Roller Coverer. . . . .	159	Plantville
.....	Fertilizer Attachment. . . . .	33	Planter
.....	Peanut Attachment. . . . .	5	Plantly

# Rock Island Cultivators

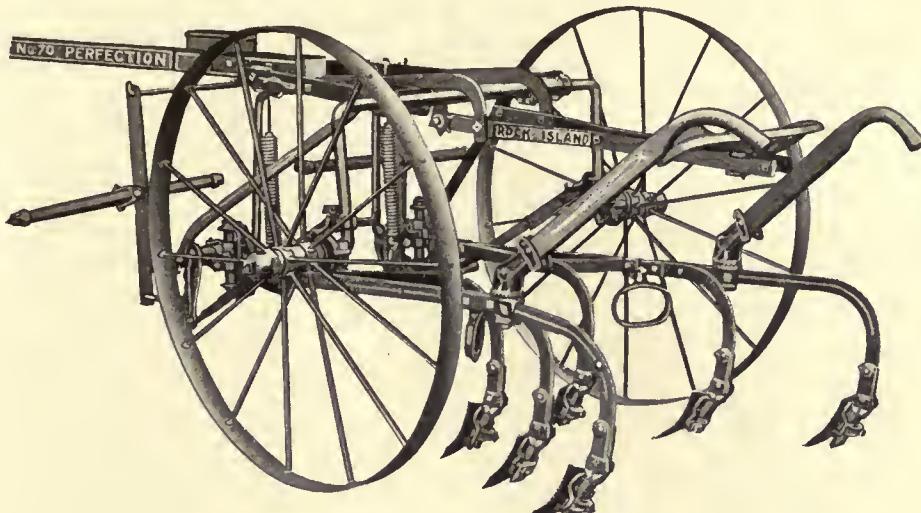


THERE is a Rock Island Cultivator to meet the requirements of every locality and every soil condition. They are built by a company with seventy years' experience and a reputation as foremost in the invention and manufacture of farm machinery.



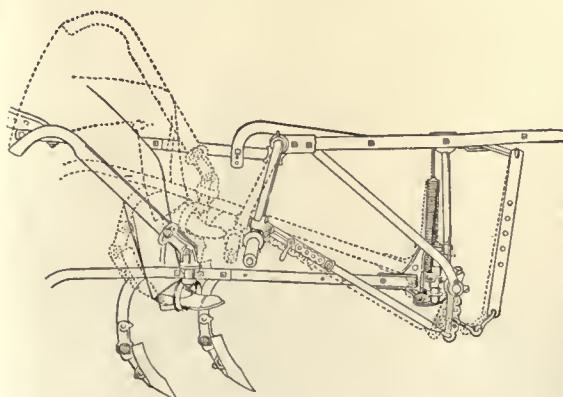


## A Very Popular Leverless Cultivator



### Rock Island No. 70 "Perfection" Cultivator

THE Rock Island No. 70 "Perfection" Cultivator is a most successful self-balancing, leverless, combined riding and walking cultivator. The ease with which it can be operated, its simple construction, perfect control, and comfortable riding qualities, make it a big source of satisfaction in getting down to work, dodging crooked rows and killing the weeds without injuring the growing crop. The gangs can be shifted in or out from a fraction of an inch to several inches with ease.



Note Easy Position of Operator When  
Gangs Are Either Raised or Lowered  
Also Balancing Feature

### Perfect Balance

No matter what the weight of the operator may be, or whether gangs are in working position or raised, a perfect balance can always be obtained. The seat remains rigid—does not go up and down when gangs are raised and lowered. The frame balances according to the changed position of the gangs with merely a push of the foot. The wheels are caused to shift backward and forward as the gangs are raised or lowered. As the crank axle pivots backward the weight of the driver assists in raising the gangs by pulling backward on the arms of the coupling sleeve. When the gangs are lowered the crank axle is pushed forward.

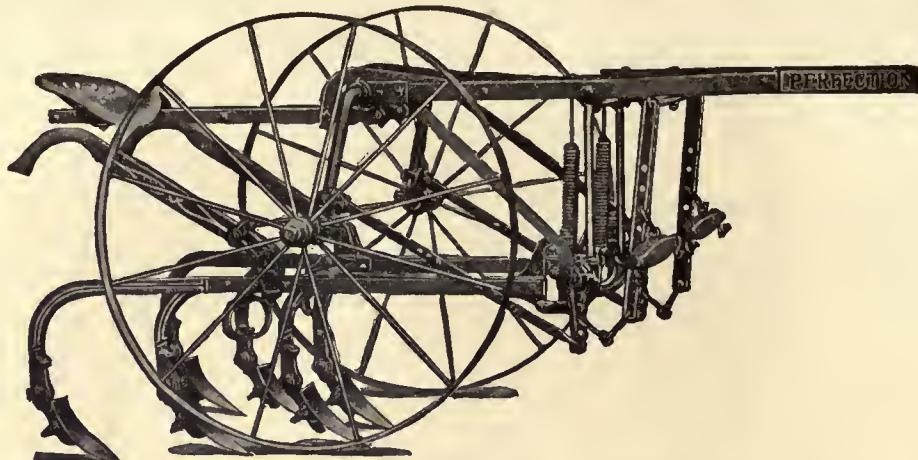
An easy balance adjustment is provided. No wrench is required to make it—you change the connection between the axle and the gang coupling which balances the machine for different weight operators by loosening a tail nut, sliding to the notch required.

### Rigid Seat Means Uniform Depth of Cultivation

By having a rigid seat, more uniform depth of shovels is possible. To plow deeper, where



## ROCK ISLAND No. 70 "PERFECTION" CULTIVATOR—Continued



Rock Island No. 70 Perfection Cultivator with Six Shovel Equipment

the ground is extra hard, you can press down on one gang without affecting the other. Your own weight does not bring one gang up when the other goes down. You do not have to overcome any spring tension—the weight of the gang does that. When you start to lift the gangs, the spring brings the gang up with little effort on your part.

The seat is adjustable forward or back to suit any size man or boy and can be thrown forward out of the way when the No. 70 is used as a walking cultivator. The handles are adjustable to any required position, either riding or walking. When used as a rider the No. 70 can be made to "hoe" the corn with practically the same action as a walking cultivator, thus getting all the small weeds between the hills, the first time over.

#### Powerful Assisting Springs

Two powerful assisting springs on the Rock

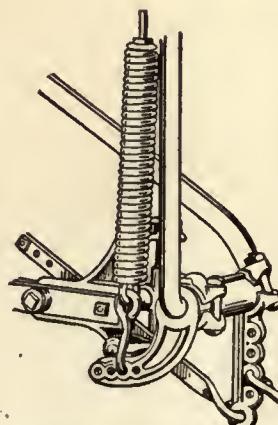


Detail Showing Adjustment for Balance

Island No. 70 make the gangs easy to handle. In a moment's time you can adjust the springs to any tension desired. The connection between the arm on the coupling sleeve and the crank axle is adjustable to suit the weight of the operator. The assisting springs balance perfectly the different weights of gangs. The hitch pulls the shovels into the ground. Practically no effort is required with the feet or the hands to raise the gangs out of the ground.

#### A Simple, Extra Well Built Cultivator

No levers, chains, or ratchets are required on the Rock Island No. 70 Perfection Cultivator—it is an extremely simple machine of few parts.



Gang Balance Spring



## ROCK ISLAND No. 70 "PERFECTION" CULTIVATOR—Continued



Note Perfect Balance of the No. 70

The crank axles telescope into the arch. The axle is adjustable for wide or narrow rows, 38 to 52 inches. Wheels are 42 inches high—larger than on the ordinary cultivator—and have heavy concave tires, heavy spokes, steel hubs, and removable dust-proof boxes. The wheels are held on by a pin and washer and are greased by hard oil cup. The pin and washer prevent wear in the sand caps.

Steel doubletree with pendent hitch is made so that the draft is equally distributed between

the frame and gangs, giving added penetration and perfect balance.

## Specifications

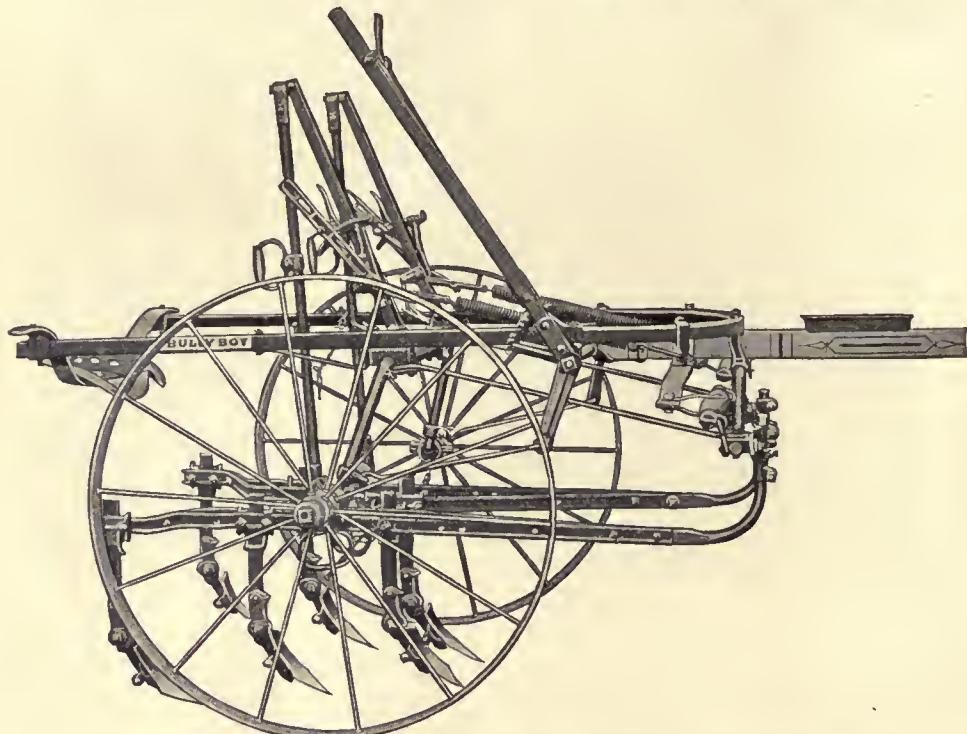
- Self-balancing.
- Improved cone couplings.
- 42-inch steel wheels.
- Leverless.
- All steel Pendant equalizer.
- Concave or flat tires.
- Dust-proof boxes.

Gang No.	DESCRIPTION	Shipping Weight Pounds	Code
R-21	4-Shovel, Curved Beams, Break Pin, Round Sleeve, Steel Beam.....	362	Cacofony
R-21X	4-Shovel, Curved Beams, Spring Trip, Round Sleeve, Steel Beam.....	378	Cacolet
R-31	6-Shovel, Curved Beams, Break Pin, Round Sleeve, Steel Beam.....	368	Cactin
R-31X	6-Shovel, Curved Beams, Spring Trip, Round Sleeve, Steel Beam.....	402	Cactord
R-23	4-Shovel, Adjustable Front Shank, Break Pin, Round Sleeve, Steel Beam	368	Cad
R-23X	4-Shovel, Adjustable Front Shank, Spring Trip, Round Sleeve, Steel Beam	384	Cadanita
R-43	6-Shovel, Adjustable Front Shank, Break Pin, Round Sleeve, Steel Beam	372	Cadap
R-43X	6-Shovel, Adjustable Front Shank, Spring Trip, Round Sleeve, Steel Beam	408	Cadaz
R-25Z	8-Shovel, Zig Zag, Eagle Claw, Break Pin, Steel Beam.....	388	Cambage
.....	Lever Attachment.....	17	
.....	No. 70 Jockey Arch, as extra.....	7	

NOTE: If Open Sleeve is wanted on above Gangs, omit "R" before Gang number and substitute "O."



## Puts Operator Close to the Work With Unobstructed View of the Row



### Rock Island No. 80 "Bully Boy" Cultivator

THE Rock Island No. 80 is adaptable to all cultivating conditions. It not only does exceptional work in corn and cotton, but also in potatoes, cabbage and other crops where the rows are different distances apart. This is possible because on the No. 80 the axles telescope, giving a width of adjustment from 38 to 54 inches, enough to take care of any ordinary crop.

Its strength and adaptability are important points to consider, and combined with the following you have the reasons why this cultivator is acknowledged as a leader:

The shovels always run level.

They penetrate evenly at all times.

Cultivator has a close hitch, which makes light draft.

Hammock seat allows good view of row at all times.

All levers are within easy reach.

To do desirable work, the shovels should penetrate at an even depth at all times. Notice how nicely this point is taken care of on the No. 80. An adjustable depth lever is used, which can be moved in or out, according to the width of rows. Each mast has an independent regulating lever.

The lift springs can be so nicely adjusted that the shovel rigs, when started upward by the pressure of the foot, are lifted by the power of the spring. When the shovels are in the ground the springs serve as a cushion, keeping the depth of penetration the same, even when the wheels are passing over obstructions.

#### Shovels Always Run Level

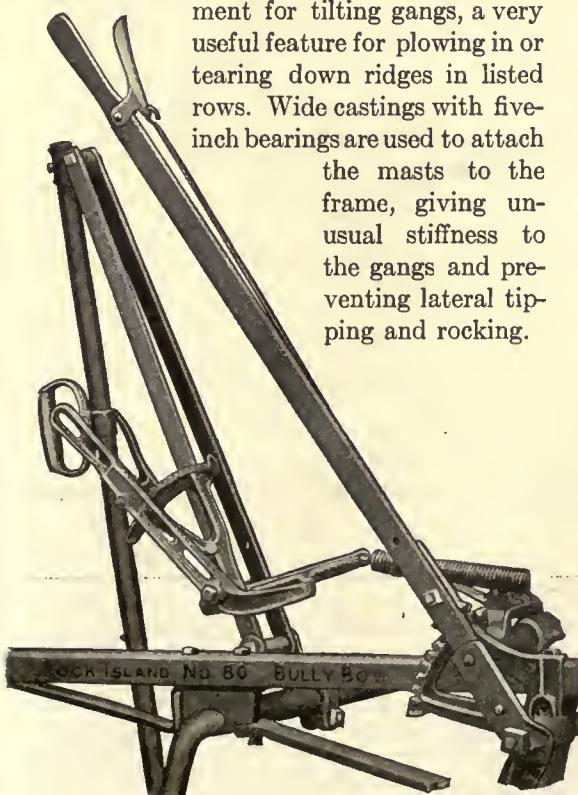
With the Rock Island No. 80 there is less chance of injuring the roots of the corn, for the shovels run level at all times. The beam



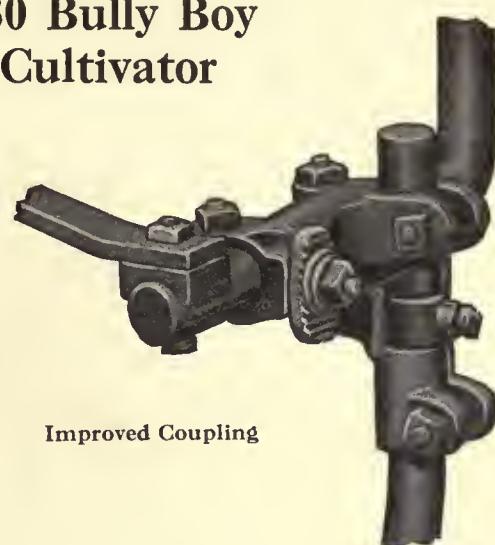
## Rock Island No. 80 Bully Boy Hammock Seat Cultivator

couplings are so constructed that the beams must travel on a horizontal plane to the right and left as desired. This, together with the long gang mast, insures the shovels running level. The coupling arch is made of  $1\frac{1}{4}$ -inch round stock and is securely bolted and braced to the frame. It is dropped sufficiently low at the coupling end to insure even penetration and steady running of the cultivator. The gooseneck coupling, illustrated on opposite side of the page, is attached to the arch by means of two malleable castings. It is held in place by a set collar, and all slack can be taken up in this bearing by a clamp adjustment. This also is true of the casting that fastens on to the arch. This latter adjustment permits of the rigs being set close together or further apart, as desired. Couplings also have an adjustment for tilting gangs, a very useful feature for plowing in or tearing down ridges in listed rows. Wide castings with five-inch bearings are used to attach

the masts to the frame, giving unusual stiffness to the gangs and preventing lateral tipping and rocking.



Adjustable Depth Lever



Improved Coupling

### Rigid or Pivot Pole

The Rock Island No. 80 Bully Boy is furnished regular with rigid pole. A pivot pole attachment can be furnished if desired. The pivot pole is very popular where listed corn is cultivated, or for use in hilly country. The lever is directly in front and within easy reach of the operator, and the wheels respond to every movement of the pole, making the guiding easy.

The beams can be made to swing freely or lock rigidly. The gangs can be "jockeyed" together by clasping the short chains attached to the mast. The No. 80 pivot pole may be operated like an ordinary cultivator, or the gangs made rigid and all the guiding done with the lever.

The hammock seat of the Rock Island No. 80 is especially comfortable and conveniently placed with reference to the gangs and levers. A balance lever to the right maintains perfect balance at all times, regardless of the weight of the operator. The hitch is placed well back near the load. This, together with high wheels, makes lighter draft and a steadier running implement. Four or six-shovel break pin or spring trip, eight-shovel break pin, diagonal, or ten-shovel spring tooth gangs can be furnished.



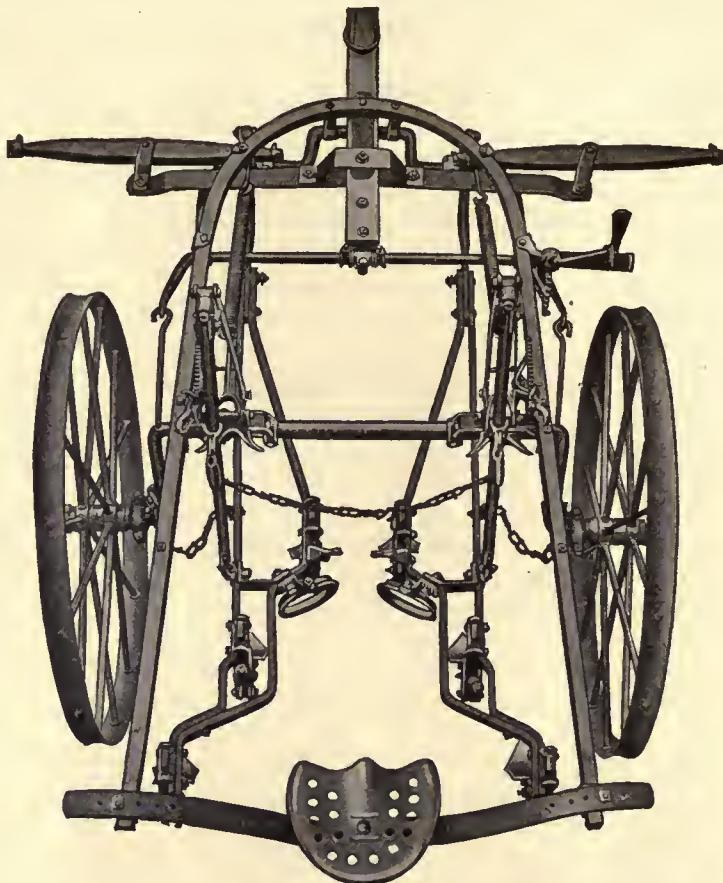
## ROCK ISLAND No. 80 BULLY BOY CULTIVATOR—Continued

### Strong Construction

The Rock Island No. 80 is built to last, being constructed entirely of steel and malleable—strong, light, and serviceable. The frame is made of one piece of square steel tubing bent in the form of a "U." There are no rivets, splices, or weak places to wear loose. It is simple and durable. Beams are extra strong, Rear end being reinforced with triple stock.

The beams are hung low, being attached to a yoke which passes underneath the pole. Because of this connection the front coupling is brought fully six inches below the under side of the pole, insuring even penetration and steady running of cultivator. The gangs have adjustable shanks which can be set up or down, as the conditions demand. The shovels are the finest quality soft-center steel. Spear Point Shovels can also be furnished if desired. The open sleeve will take any standard make of sweep.

The wheels are held on by a pin and washer and are greased by a hard-oil cap. The pin and washer prevent wearing in the sand caps.



Overhead View of the Rock Island No. 80 Bully Boy Cultivator  
Good Clearance and Clear View of the Work

### Specifications

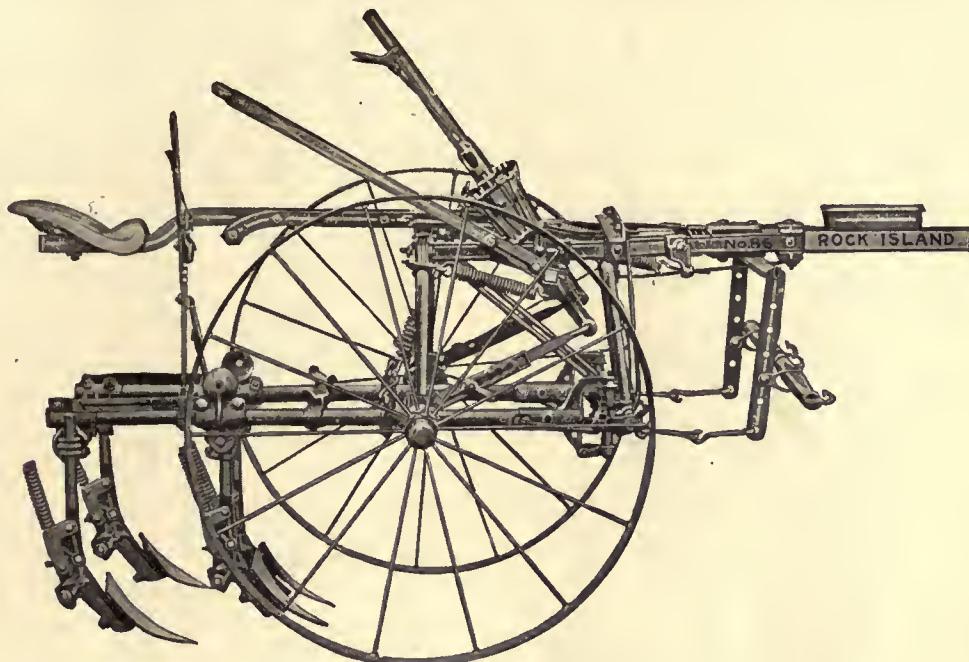
Balance lever.	42-inch steel wheels.	Adjustable axles, 38 to 54 inches.
2½-inch concave or 2-inch flat tires.	All-steel equalizer.	Dust-proof boxes.
	Improved round goose-neck couplings.	

Gang No.	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
R-5	4-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Channel Beam.	428	Caecidæ
R-5X	4-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Channel Beam.	450	Caecias
R-18	6-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Channel Beam.	448	Caeciform
R-18X	6-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Channel Beam.	454	Caecity
R-12	8-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Channel Beam.	451	Caecoid
R-12X	8-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Channel Beam.	483	Calcum
R-9S	10-Shovel, Spring Tooth, Round Sleeve, Steel Beam.	451	Calcumot
10	Surface Gang Attachment, 4 Blades, Break Pin, with Levers.	496	Cæoma
O-5	(Southern) 4-Shovel, all Shanks Adjustable, Break Pin, Open Sleeve, Solid Beam.	407	Caesar
O-5X	(Southern) 4-Shovel, all Shanks Adjustable, Spring Trip, Open Sleeve, Solid Beam.	425	Cadmium
O-18	(Southern) 6-Shovel, all Shanks Adjustable, Break Pin, Open Sleeve, Solid Beam.	462	Cadrans
O-18X	(Southern) 6-Shovel, all Shanks Adjustable, Spring Trip, Open Sleeve, Solid Beam.	490	Cadre
....	Pivot Pole Attachment.	18	Caducinary
....	No. 80 Jockey Arch, as extra.	9	
....	Disc Attachment for Surface Gang, extra.	10	

NOTE: For Open Sleeve on Gangs with "R" before Gang number, omit "R" and substitute "O."



## An Easily Operated Seat Shift Cultivator



### Rock Island No. 86 Seat Shift Cultivator

THE Rock Island No. 86 is a combined shifting seat and pivot pole cultivator. The shifting seat yields instantly with each movement of the operator, so that you can operate and guide it all day with but little exertion. A slight swing of the body shifts the frame and rigs at the same time, carrying the machine wherever desired, but always maintaining the rigs parallel with the wheels. The rigs always being parallel, work can be done in narrow rows with the maximum shift, cutting out the weeds between them.

When working on a side hill the weight of the operator is naturally thrown toward the lower side of the cultivator, and that immediately leads the rigs up-hill.

#### No Lost Motion When Shifting Gangs

The end of the seat bars are connected by cogs directly to the pole with only one pivot point, and the seat bar rolls upon the axle itself. With this extremely simple construc-

tion there is just one place where slack could possibly accumulate through wear, and that is in the cogs. As a result, particular attention has been given this point and a slotted adjustment provided, which keeps the cogs in mesh and easily takes care of all wear, so that you are guaranteed a rigid connection at all times.

When the operator shifts the gangs he also changes the entire line of draft at the same time, accomplishing twice the action for dodging crooked rows that he has on the ordinary cultivator, where the line of draft remains unchanged.

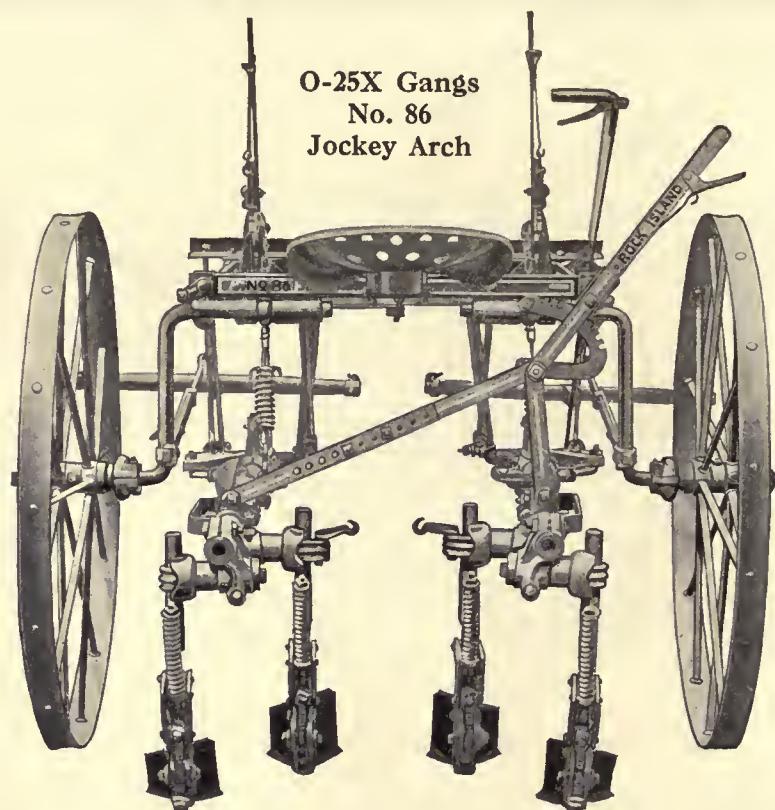
#### Independent Depth Levers

Although both gangs can be raised with the main balancing lever, each gang of the Rock Island No. 86 has an independent depth lever, which is provided with a very fine adjustment, allowing the depth of either set of shovels to be regulated.

Another important feature is the uniform depth that can be obtained. The gangs are



## ROCK ISLAND No. 86 SEAT SHIFT CULTIVATOR—Continued



## Rock Island No. 86 Cultivator—Notice Good Clearance

supported by the independent depth ratchets, which are clamped to the square balance shaft. The wide frame permits the adjusting of the independent depth ratchet on the balance shaft for either wide or narrow rows. This maintains the gang chain in a vertical position to the gang when the machine is in the normal position, thus insuring practically a uniform depth.

Each independent depth lever is provided with an assisting spring, so that the depth can be changed easily when so desired, or one gang can be raised independent of the other in order to clear itself of trash when necessary. The gangs can either be hung from the depth lever with a spring to act as a cushion or rigid, as desired.

#### Automatic Lift

The Rock Island No. 86 has an automatic lift, the horses assisting in raising the gangs and balancing the cultivator. The driver

releases the latch on the balancing lever, raises the rigs and balances the cultivator at the same time.

Assisting springs counterbalance the weight of the gangs. The gangs have their own dead weight for penetration—the springs only work when the gang lever is moved.

For different weights of operators the No. 86 has two convenient adjustments for keeping the machine in perfect balance at all times. The first adjustment is the pendent hitch, which has a series of holes for different weights of operators. The second is a convenient axle adjustment for moving the position of axle forward or backward to balance the machine. This adjustment is made by a convenient tail nut, no wrenches necessary.

#### Substantial Gangs

The No. 86 has practically eliminated slack in its present construction.



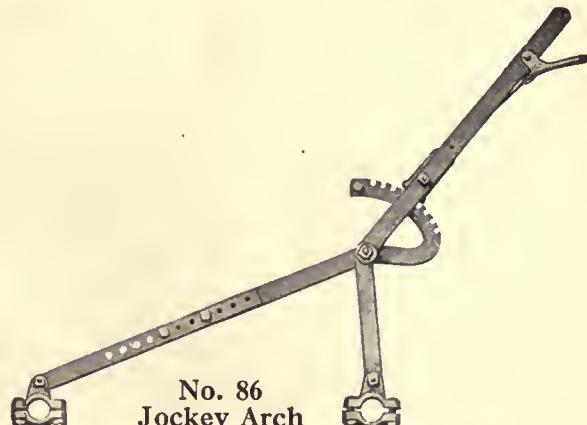
## ROCK ISLAND No. 86 SEAT SHIFT CULTIVATOR—Continued

There is a split sleeve coupling where the beam attaches to the arch, which has a series of notches, each one cut a little deeper than the other. When wear appears, just advance one side of the sleeve a notch and it is taken up at once. Simple, but it guarantees a rigid gang during the entire life of the cultivator.

Rock Island Couplings are all equipped with cone bearings, so that when wear appears it can be quickly taken up by merely screwing down the bearing a little farther.

The seat is adjustable forward or back and up and down, so that the operator may be in a comfortable position whether he is tall or short.

The axles are provided with pin and washer, so there is no danger of wheel coming off, even if the wheel sand caps are loose. The pin and washer also removes the wear from the sand caps. Different styles of gangs, to meet soil conditions, can be furnished with the Rock Island No. 86—4-, 6- or 8-shovel, either break pin or spring trip. Disc attachment can be furnished either 14 or 16 inch discs—to convert the No. 86 into a disc cultivator.

No. 86  
Jockey Arch

Jockey Arch Used on No. 86 Cultivator

## Seat Shift Eliminated if Desired

The No. 86 may be made into the ordinary swinging gang, rigid arch cultivator, if desired, by simply fastening the hook on the seat rail into the eyebolt on the axle and unbolting the parallel rod on the front end of the beam. This change really gives two cultivators in one.

## Specifications

Balance lever controlling both gangs.  
Independent depth lever for each gang.  
Shift seat, parallel gang.  
Improved cone couplings.

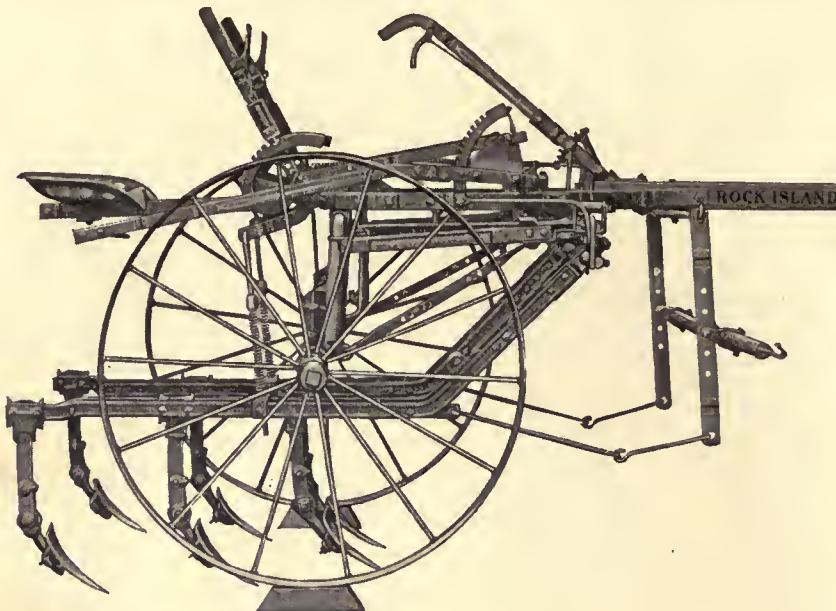
All-steel pendant equalizer.  
42-inch steel wheels.  
2½-inch concave or 2-inch flat tires.  
Dust-proof boxes.

Gang No.	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
R-5	4-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Steel Beam.....	400	Teah
R-5X	4-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Steel Beam.....	425	Teak
R-18	6-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Steel Beam.....	469	Teal
R-18X	6-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Steel Beam.....	491	Team
R-12	8-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Steel Beam.....	415	Tean
R-12X	8-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Steel Beam.....	450	Teap
O-25	4-Shovel, Break Pin, Open Sleeve, Pipe Beam.....	470	Tel
O-25X	4-Shovel, Spring Trip, Open Sleeve, Pipe Beam.....	503	Tem
26	4-Shovel, Friction Break, Pipe Beam.....	497	Ten
O-26X	4-Shovel Friction Break, Spring Trip, Pipe Beam.....	507	Telep
40	16-Inch Disc Attachment, Six Discs.....	586	Tead
41	14-Inch Disc Attachment, Six Discs.....	570	Teaf

NOTE: If Open Sleeve is wanted on above Gangs, omit "R" before Gang number and substitute "O."



## Easily Operated by Boy or Man



### Rock Island No. 88 Pivot Axle Cultivator

THE Rock Island No. 88 is an all-purpose parallel gang cultivator—the only implement of this type which can be used either as a pivot axle and gang shift, or as a pivot wheel guide cultivator only. Because of its construction, it is one of the easiest, best-working cultivators ever designed either in crooked or straight rows. The

gangs are always parallel to each other and to the row. The shovels or sweeps face their work squarely, doing a complete job of cultivating, also insuring better scouring.

There is about an eight-inch shift to the gangs. This, together with the wheel pivot, makes it easy to get the weeds without interfering with the growing plants in crooked rows. You can work close to or far away from the plants. Merely turning the spacing lever gives a wide range of adjustment. For extreme conditions, three adjustments are provided in the gang heads.

#### Either Wheel Pivot Gang Shift or Wheel Pivot Only

In straight, uniform rows, the work of cultivating can be done more easily with the Rock Island No. 88 than other pivot axle cultivators, because by merely moving two bolts it can be converted into a pivot wheel guide cultivator, and the work of shifting the gangs is eliminated.

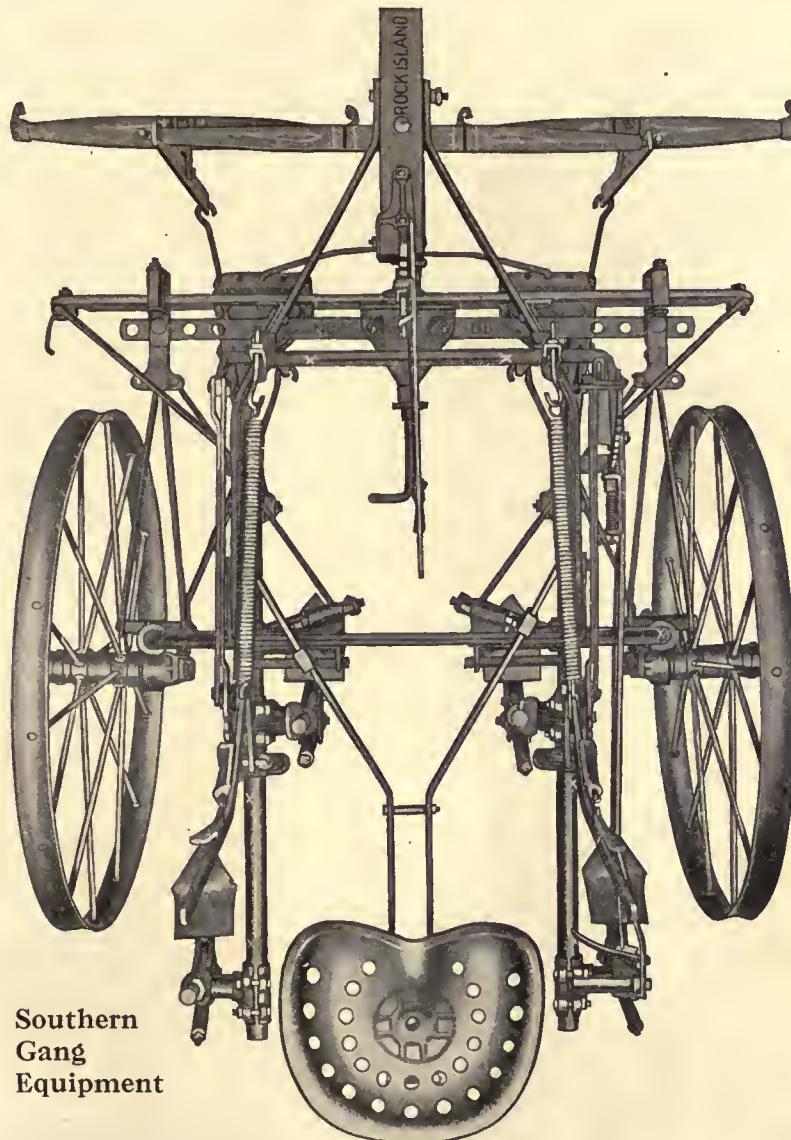
A very good job of cultivating can be done with the Rock Island No. 88 Pivot Axle Cul-



Rock Island  
Roller Bearing Gang Head



## ROCK ISLAND No. 88 PIVOT AXLE CULTIVATOR—Continued



Notice the Easy View of the Row

tivator, and at all times the operator has that extreme satisfaction of seeing the work done. The levers are out of the way and the frame construction does not interfere with the view.

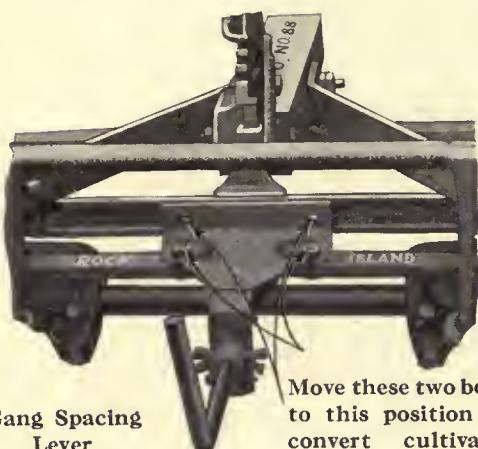
Two depth levers are provided—one for each gang. They work independently of each other and when once set for depth do not need any attention unless to shake out trash. In case

such a thing is necessary you can relieve either gang of the trash by means of the lever without interfering with the other gang.

For raising both gangs at the end of the rows merely use the one main lever. Both gangs are raised or lowered at the one time and always return to the depth at which the depth levers are set. The depth lever ratchets provide a big variety of adjustments. In un-



## ROCK ISLAND No. 88 PIVOT AXLE CULTIVATOR—Continued



Gang Spacing Lever

Move these two bolts to this position to convert cultivator from wheel and gang shift to wheel shift only.

usual conditions, such as when working on ridges or in furrows, additional depth adjustments are provided on the gang rods. Each gang rod has a cushion spring. Any desired amount of tension can be placed on the gang.

Each depth lever has an assisting spring, and both of these springs, as well as the pull of the horses on the gangs, assist in operating the main lever. Adjustments are provided on both springs to make it an easy matter to handle the lightest to the heaviest gangs.

This cultivator maintains practically perfect balance whether the gangs are in or out of the ground, as the axles are automatically thrown forward or backward when gangs are lowered or raised.

#### Another Exclusive Rock Island Feature—The Rigid Support Bar with Roller Bearing Gang Head

Rock Island No. 88 Cultivator gangs are always parallel, because the entire gang moves to the same extent, keeping the shovels or sweeps square to their work. The front end

of each gang is mounted on four rollers which run on a *rigid support bar*. When you shift the gangs you cause the gang heads to roll, not slide, along this bar. These rollers, and, in fact, the entire gang head is machine-finished and gives a tight, substantial fit for the gangs. There is practically no play in the gangs. These rollers also make the spacing lever operate very easily.

The distance between the rollers on each gang head makes an extra strong support for the gang, and four bolts, instead of two, hold the entire gang more rigid. Adjustments are provided for the gang depth rod of the No. 88 Cultivator to hold the gangs practically level and make all the shovels cultivate at even depth when gangs are shifted.

#### Rock Island Pivot Axle Construction Is Better

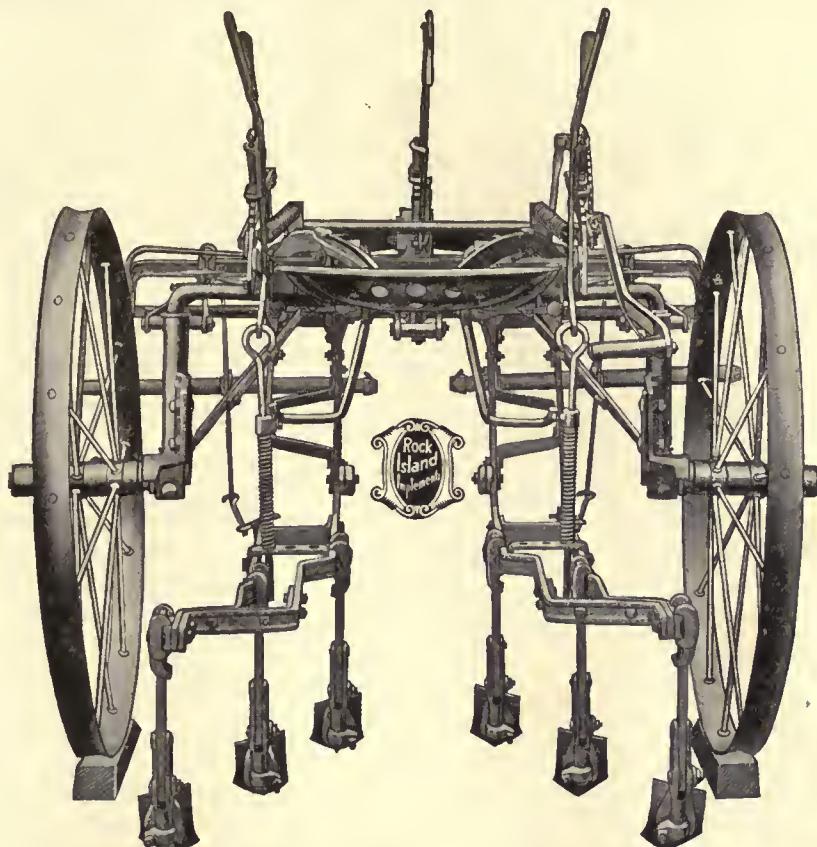
Farmers appreciate the Rock Island No. 88 Cultivator pivot axle construction, not only because of its efficiency due to its one point ball



Rock Island Disc Hiller



## ROCK ISLAND No. 88 PIVOT AXLE CULTIVATOR — Continued



Rock Island No. 88 Pivot Axle Cultivator—Notice the Good Clearance

pivot, but also because the axle is held rigid even after continuous hard work.

A steel ball is provided on which the vertical axle pivots. This single point pivot makes unusually easy operation.

The wheel axle is not only clamped to the axle bracket, but also is securely bolted to the side of the bracket. This insures proper lead and gather to the wheels, which means lighter draft because it prevents the wheels from spreading out at the front and bottom.

### Steel Construction

The Rock Island No. 88 Pivot Axe Cultivator has a strong one-piece steel frame—no joints to work loose; steel ratchets and all steel

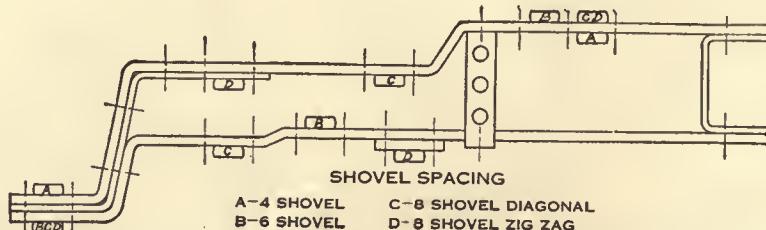
balance shaft. Lock washers are used, which keep the nuts tight.

### Improved Wheel Construction

The wheels are especially designed for this cultivator. They are extra strong, with dust-proof box, and run on long distance bearings. They are 40 inches in diameter with  $2\frac{1}{2}$ -inch concave or 2-inch flat tire,  $\frac{7}{16}$ -inch spokes with extra wide stagger. The wheels are held on by a pin and adjustable washer. An extra long thread is provided to give the hub cap more capacity for holding grease. It does not have to be filled so often in order to secure perfect lubrication. Four different "Wheel-tread" adjustments of four inches each are easily made and take care of extremely wide or extremely narrow rows.



## ROCK ISLAND No. 88 PIVOT AXLE CULTIVATOR—Continued



Rock Island Convertible Gang—4, 6, or 8 shovel, either diagonal or zigzag.

### Adjustable Seat

Operator can arrange seat to be in a comfortable position for easy operation. Seat can be folded forward, giving easy access to gangs.

### Short Hitch—Lighter Draft

A shorter hitch is provided on the Rock Island No. 88 Pivot Axle Cultivator than on most cultivators of this type. The horses are closer to the work—the draft is lighter.

### Pole and Gang Control Lever

The pole used on the No. 88 Cultivator is stronger than ordinary cultivator poles. Pole lever is conveniently located for leveling the shovels and for different height teams. By

means of this lever either the front shovels or rear can be made to cultivate deeper or shallower, if desired.

### Strong Gang Construction

Either pipe gangs or flat I-stock gangs can be furnished. The pipe gangs are extra strong with extra heavy pipe used. The I-stock gangs are bridge-braced between the bars and reinforced at the rear bend by three-ply steel where most of the strain is encountered. The gangs to meet your particular requirements can be furnished.

Either 4-6-, or 8-shovel diagonal, or 8-shovel zig zag, pin break or spring trip, round or open sleeve gangs; regular or spearpoint shovels.

### Specifications—Rock Island No. 88 Pivot Axle Cultivator

Pivot axle (adjustable 36 to 48 inches).

Independent depth levers.

40-inch steel wheels.

2½-inch concave tires, or 2-inch flat tires.

Parallel gangs.

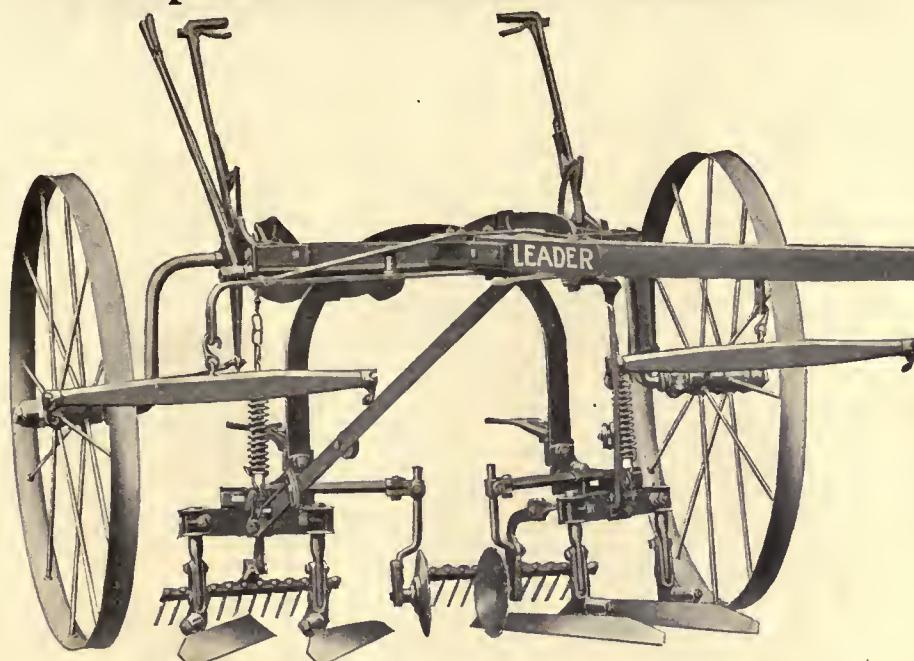
Dust-proof boxes.

Gang No.	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
R-105	4-Shovel, all Adjustable Shanks, Break Pin...	460	Teob
R-105X	4-Shovel, all Adjustable Shanks, Spring Trip...	485	Teoc
R-118	6-Shovel, all Adjustable Shanks, Break Pin...	482	Teof
R-118X	6-Shovel, all Adjustable Shanks, Spring Trip...	506	Teog
R-112	8-Shovel, all Adjustable Shanks, Diagonal, Break Pin...	496	Teop
R-112X	8-Shovel, all Adjustable Shanks, Diagonal, Spring Trip...	515	Teocap
R-119	8-Shovel, all Adjustable Shanks, Zig-Zag, Break Pin...	480	Teocar
R-119X	8-Shovel, all Adjustable Shanks, Zig-Zag, Spring Trip...	515	Teocarp
O-125	4-Shovel, all Adjustable Shanks, Pipe Beam, Break Pin...	455	Teopar
O-125X	4-Shovel, all Adjustable Shanks, Pipe Beam, Spring Trip...	480	Teoparo
No. 126	4-Shovel, Pipe Beam, Friction Break...	480	Teopars
O-109S	8-Shovel, Plain Gang, Spring Tooth, Open Sleeve...		
	No. 188 Jockey Arch for Pipe Beam Gangs, as an extra...	13	
	No. 188 Jockey Arch for I-Beam Gangs, as an extra...	13	
	Center Shovel Attachment, Break Pin...	20	
	Center Shovel Attachment, Spring Trip...	22	
	Set of (6) Sweepers (or Duckfoot Shovels), see Shovel Sets...		
	Set of (8) Spring Teeth, complete with Shovels, to convert Nos. 105, 112, 118, or 119 Series Gangs, as an extra...	86	
	Disc Hiller Attachment for Shovel Gangs, pair...	33	

NOTE:—For open sleeve in above gangs omit "R" before number and substitute "O."



## Popular for Surface Cultivation



### Rock Island No. 95 Surface Cultivator

THE Rock Island No. 95 Surface Cultivator has been on the market for a number of years, and its popularity has been proven by the steady increase of sales each year.

Every feature necessary is provided for adjusting the surface blades. Shanks for the blades are corrugated at the point where they engage the cross-heads, making it impossible for them to slip. Lower ends of shanks terminate in two heavy clamping lugs to engage a lug from blade block.

The clamping surfaces of these parts are corrugated and permit blades to be held firmly at any desired pitch. The holes in blade blocks are slotted, permitting points or heels of blades to be raised or lowered at will of operator. We furnish either solid or break pin shanks, as may be preferred.

Cross-heads are quickly and easily adjusted in or out, closer to or farther from the crop. They can be tilted forward, thereby allowing

points of blades to run below hills or laterally, if it is considered desirable to set one blade deeper than the other.

Levelers are of the rake type. A pair of steel plates is furnished, however, by means of which they may be converted into old style solid levelers.

The disc attachment is adjustably secured to cross-head, and discs run directly ahead of and on a line with inner ends of forward surface blades. The operator knows that when a hill is passed between the discs it will also pass between the blades without injury.

### Specifications

Balance frame.

Rake or solid blade levelers.

Adjustable cross-heads.

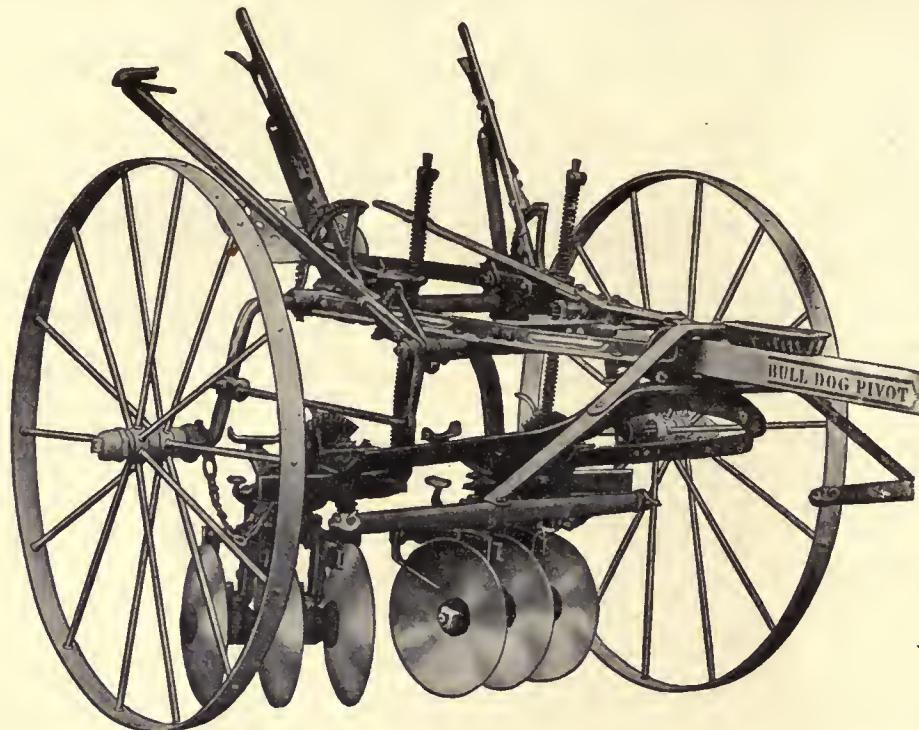
Tread adjustable 52 to 70 inches.

42-inch steel wheels, concave tires, dust-proof boxes.

Gang No.	DESCRIPTION	Shipping Weight	Telegraph Code
95	4 Blades, Levelers, Break Pin Sleeve.	400	Caggy
	Disc Attachment	15	Cagitt



## One of the Leading Disc Cultivators



### Rock Island No. 100 "Bull Dog" Disc Cultivator

THE Rock Island No. 100 Bull Dog Disc Cultivator can be used in every instance where a shovel cultivator can be used, and in many instances where shovel rigs cannot be used at all.

The main frame is of angle steel sufficiently strong to insure perfect rigidity. It is thoroughly braced in every particular. The No. 100 is equipped with rigid pole. Pivot pole can be furnished as an extra. The lifting lever for gangs and the shifting lever for pole are conveniently located.

#### High and Heavy Arch

The arch on the Bull Dog is of very heavy, high carbon steel and will stand any amount of strain to which the cultivator will ever be subjected. It is not only heavier than used on most machines, but also higher, insuring

greater clearance and allowing very tall corn to be cultivated without damage.

The draw bars are angle steel, extra heavy and of the right shape to give perfect clearance and perfect equalization.

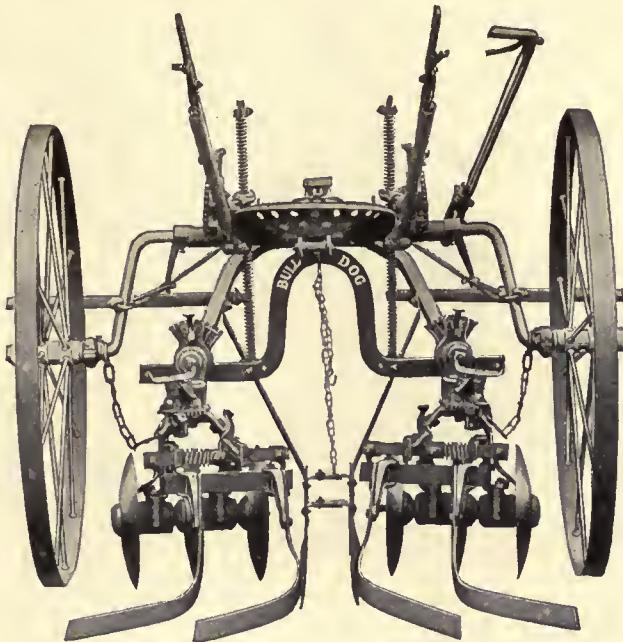
The axles are adjustable, telescoping into a steel tube for varying width of tread. Wheels are all steel and have staggered spokes. They are 48 inches high, with  $2\frac{1}{4}$ -inch heavy tires, and fitted with long-distance removable dust-proof axle boxes.

#### Knife Levelers

Knife levelers are furnished as extra equipment. The use of levelers is a big advantage. They keep the ground level and avoid ridging. They also result in pulverizing the dirt twice—once by the discs and again by the levelers.



## ROCK ISLAND No. 100 BULL DOG DISC CULTIVATOR—Continued



Disc Gangs Set for In-throw—Levelers Extra

**Easy Gang Adjustments and Control**

The gangs on the No. 100 are instantly angled to throw more or less dirt by means of a small lever and rack. The teeth are of such size and shape that they hold the gangs securely. Tilting the gangs is also accomplished by lever and rack, this makes the dirt ridge more or less, and by increasing the angle, the depth of the cultivation is also increased. The gangs can also be tilted so that the discs near the plant will not cut as deep as on the outside.

Notice the upright pressure springs above and below. Raising levers make it easy to raise the gangs and easy to put more spring pressure for deeper cultivation. Raise the levers to increase the pressure on the discs. Assisting springs on the levers make lifting the gangs very easy.

Bearings on the discs are made of hard maple, boiled in oil, are practically dust-proof and are equipped with compression grease cups.

The drop hitch equalizer positively takes all neck weight off the horses.

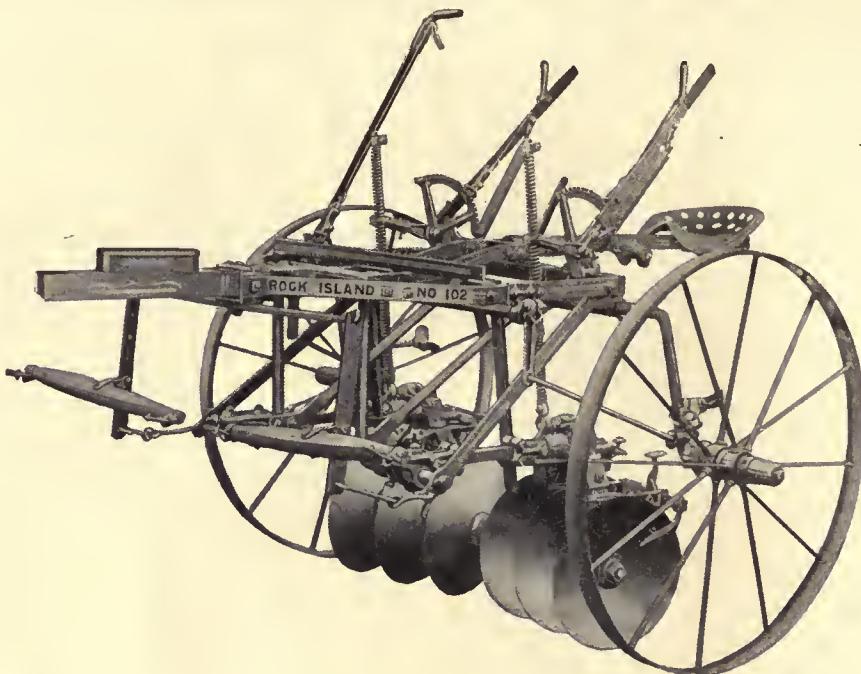
**Specifications**

Gang No.	DESCRIPTION	Shipping Weight Lbs.	Telegraph Code
30	Six 16-Inch Disc Gang, with Fenders .....	557	Cair
31	Six 14-Inch Disc Gang, with Fenders .....	550	Caird
O-32	4-Shovel, Front Shank Adjustable, Break Pin, Open Sleeve, Steel Beam (as extra) .....	50	Cairn
O-32X	4-Shovel, Front Shank Adjustable, Spring Trip, Open Sleeve, Steel Beam (as extra) .....	80	Caira
O-310	6-Shovel, Front Shank Adjustable, Break Pin, Open Sleeve, Steel Beam (as extra) .....	55	Cairny
O-310X	6-Shovel, Front Shank Adjustable, Spring Trip, Open Sleeve, Steel Beam (as extra) .....	112	Cadi
O-38S	8-Shovel, Spring Tooth, Open Sleeve, Malleable Head (as extra) .....	63	Cadillac
....	Pivot Pole Attachment .....	20	Cadish
....	Knife Levelers, per set, extra .....	29	Cadian

NOTE.—For round sleeve on gangs with "O" before gang number, omit "O" and substitute "R."



## A Seat-Shift Disc Cultivator



### Rock Island No. 102 Disc Cultivator

THE Rock Island No. 102 Disc Cultivator is of the improved pivot frame type, the seat being connected directly to the pole by means of a cog connection. As a result, the direction of the cultivator can be easily and quickly changed. Foot stirrups are attached to the axles instead of to the gang heads and do not affect the depth of the gangs when shifting. This method of seat and pole connection is particularly advantageous when working on side hills, as the weight of the operator leads the cultivator up hill, counteracting the tendency of the machine to creep down hill. A lock is conveniently placed in front of the seat, which locks the seat rigid.

With the balance lever, pendant evener and adjustable seat, the No. 102 can be made to balance perfectly.

#### Convenient Gang Adjustments

The disc gangs have a wide range of adjustment on the arch and the front coupling is constructed so that additional adjustment can be

had by angling the gang beam in or out on the front pivot. A convenient adjustment for tilting the discs is used on the gang head. Simply throw a small lever over and the adjustment can be made; by throwing the same lever back the discs are set and locked in place.

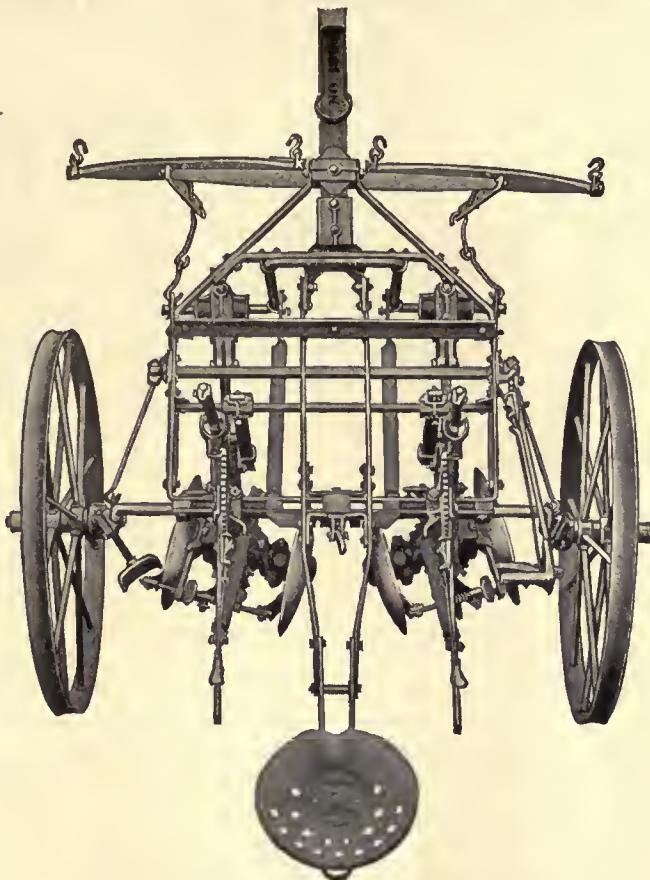
For angling the discs horizontally, release the plunger at the rear of the disc head and set it in the notch to get the desired angle.

The jockey arch is mounted on a stationary crossbar to the main frame and holds the gangs rigid. It can be easily adjusted by loosening set-screw and sliding in or out to fit beam adjustment. Gangs can be reversed from barring off to throw in. Discs and gang head are also interchangeable.

The 2½x42-inch wheels, with concave tires, are equipped with Rock Island dust-proof boxes, and have strong, staggered spokes. Fenders are furnished regularly.



## ROCK ISLAND No. 102 DISC CULTIVATOR—Continued



Overhead View Rock Island No. 102 Disc Cultivator

Discs are furnished in either 14 or 16-inch sizes, with scrapers.

The pressure springs for gangs can always be maintained in an upright position regardless of width the discs are set. This is accomplished by

moving the gang ratchets on the frame. Raising levers make it easy to raise the gangs and also to put more spring pressure for deeper cultivation. Assisting springs on the levers make lifting the gangs an easy matter.

## Specifications

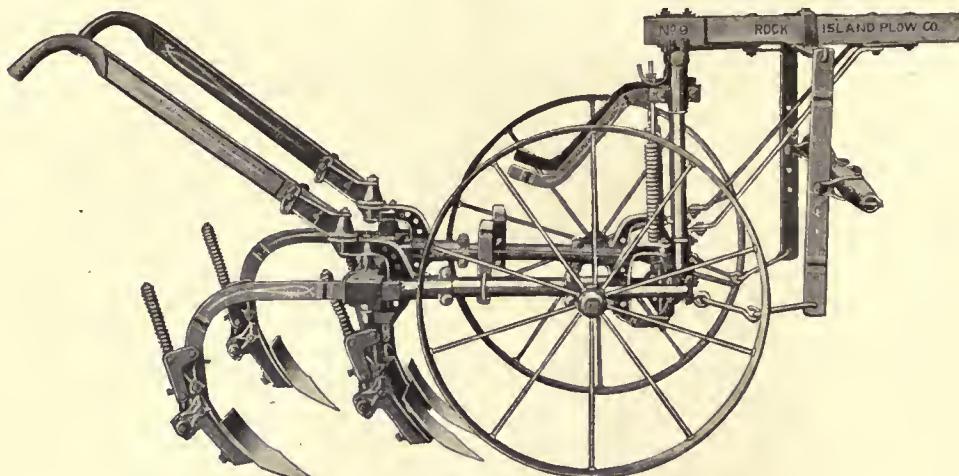
Seat Guide	Pivot Frame	Independent Depth Levers	All-Steel Pendant Equalizer
	42-Inch Steel Wheels	Concave Tires	Dust-Proof Boxes

Gang No.	DESCRIPTION	Shipping Weight Pounds	Code
30	Six 16-Inch Disc Gang, with Fenders.....	590	Cadjer
31	Six 14-Inch Disc Gang, with Fenders.....	585	Cadjen
O-32	4-Shovel, Front Shank Adjustable, Break Pin, Open Sleeve, Steel Beam (as extra).	60	Cadjoil
O-32X	4-Shovel, Front Shank Adjustable, Spring Trip, Open Sleeve, Steel Beam (as extra).	80	Cadjes
O-310	6-Shovel, Front Shank Adjustable, Break Pin, Open Sleeve, Steel Beam (as extra).	100	Cadjest
O-310X	6-Shovel, Front Shank Adjustable, Spring Trip, Open Sleeve, Steel Beam (as extra)	112	Cadjez
O-38S	8-Shovel, Spring Tooth, Open Sleeve Malleable Head (as extra).....	63	
....	Knife Levelers, per set, extra.....	29	
....	Barring Off Attachment.....	...	
....	16-Inch Disc Gang Extension.....	...	
....	14-Inch Disc Gang Extension.....	...	

NOTE.—For Round Sleeve on Gang with "O" before Gang number, omit "O" and substitute "R."



## An Easily Handled, Perfectly Balanced Walking Cultivator



### Rock Island No. 9 Cultivator

THE Rock Island No. 9 Walking Cultivator is not only especially adapted to sections where heavy spring trip gangs are used, but will also meet the requirements in other territories. It is simple, strong, well braced, easy to handle and does a real good job of cultivating.

#### Easy Gang Control

Exceptionally strong lifting springs make it a very easy matter to handle the gangs. The tension is readily adjusted for either heavy or light gangs. The gangs can be easily raised or shifted toward or away from the row. Note the easy shifting hook for spring in gang coupling—no bothersome cotter to pull out and replace; simply hook spring hook in desired hole in coupling. The spring tension is quickly adjusted by a convenient eyebolt. Not necessary to hold gangs in raised position to make this adjustment.

The Rock Island No. 9 is balanced whether gangs are raised or lowered, even when the heaviest gangs are used.

The wheels are set back of the arch and sufficient weight is placed in front of the axle to offset the weight of extra heavy gangs, prevent-

ing the neckyoke from flying up when the gangs are hung up—maintaining perfect balance whether or not gangs are in operation.

This perfect balance means an easier working cultivator—easier for the user and easier on the team.

#### A Short Coupled, Direct Hitch

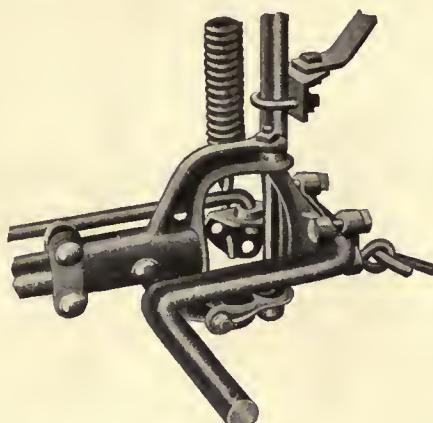
The hitch is short coupled and pulls directly on the end of the beams. The singletrees are adjustable on the hitch pendants for different heights of teams.

#### Rigid Cone Couplings Hold Shovels in Correct Working Position

The Rock Island No. 9 Cultivator couplings are noted for their rigidity and durability, the free and easy movement they afford the gangs and the ease with which they can be adjusted to take up wear. They are made with conical bearings so that all looseness due to hard, continued usage can be easily taken up and the shovels held rigidly in the correct position for doing an extra good job of cultivating.



## ROCK ISLAND No. 9 CULTIVATOR — Continued



Gang Coupling and Spring Connections

### High, Adjustable Arch

The Rock Island No. 9 Arch is sufficiently high to give good clearance for late cultivation, and is adjustable to different widths of cultivation. The width adjustment can be quickly made by loosening a set screw in a collar on the cross arch.

### Built to Stand Hard Work

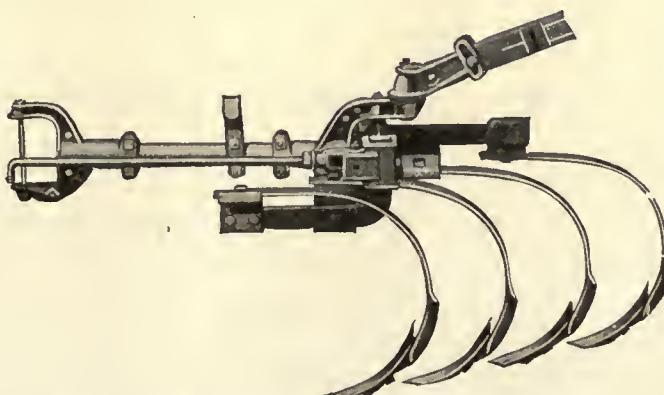
Double strength *pipe beams*, guaranteed not to bend or break; heavy malleables of the best quality; high carbon steel shanks; large spokes welded into wide-flanged wheels; oil-tempered springs and all carefully assembled and braced make the Rock Island No. 9 a most serviceable cultivator; at the same time it is so proportioned that a small boy can operate it and do

good work. The gang head of the pipe beams can be tilted to conform to the bed.

Either 2½-inch concave or 2-inch flat tire 30-inch wheels can be furnished. The wheels have heavy hubs with staggered spokes and dust-proof removable boxes. A pin and washer on end of axle prevents excessive wearing of sand caps and secures wheel to axle.

The handles are held between a double handle bracket which holds them rigid—a feature which every operator of walking cultivators will appreciate. The handles are adjustable in height and width.

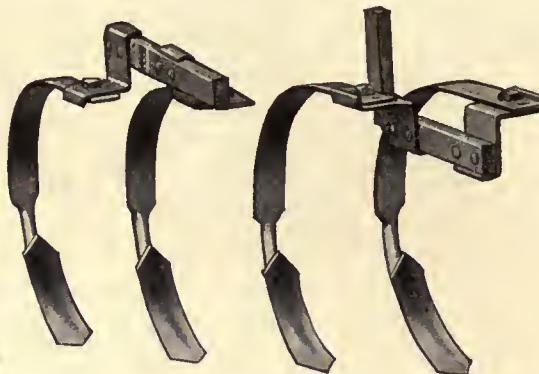
A large variety of gangs to meet your particular requirements can be furnished for the Rock Island No. 9 Cultivator. The shanks take either shovels or sweeps.



Spring Tooth Gang for Rock Island No. 9 Cultivator



## ROCK ISLAND No. 9 CULTIVATOR—Continued



## Spring Tooth Attachment

O-228S and R-228S are all steel spring tooth attachments for either O-224 or O-224X parallel gangs. The regular shanks are replaced with a set of mounted spring teeth. The spring teeth shanks are the same size as the regular shank on O-224X gangs. The tooth brackets are steel and securely riveted to the shanks. Particular attention has been given to placing the spring teeth so as not to interfere with the walking of the operator.

The regular fender used on the O-224X gangs can be used with the spring tooth attachment. Either round or open spring tooth can be furnished.

The O-224 and O-224X parallel pipe gangs are built extra strong. The cross head is provided with an additional connection for the parallel rod on the opposite side so the cross head can be reversed for laying out rows.

## Specifications

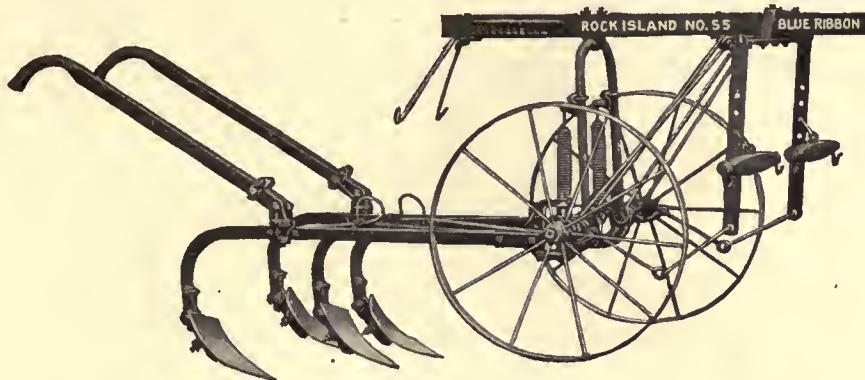
Balanced frame  
Adjustable arch  
Improved cone couplings  
All-steel pendant equalizer  
30-in. steel wheels  
Flat or concave tires  
Dust-proof boxes

Gang No.	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
O-224	4-Shovel Parallel Pipe Beams, Break Pin, Open Sleeve .....	315	Cabab
O-224X	4-Shovel Parallel Pipe Beams, Spring Trip, Open Sleeve .....	331	Cabac
O-223	4-Shovel Swinging Gang, Steel Beams, Adjustable Front Shank, Break Pin, Open Sleeve .....	294	Caback
O-223X	4-Shovel Swinging Gang, Steel Beams, Adjustable Front Shank, Spring Trip, Open Sleeve .....	318	Cabax
O-225	4-Shovel Swinging Gang, Pipe Beams, Break Pin, Open Sleeve .....	328	Cabay
O-225X	4-Shovel Swinging Gang, Pipe Beams, Spring Trip, Open Sleeve .....	343	Cabaz
226	4-Shovel Gang, Pipe Beams, Friction Break .....	294	.....
O-228S	8-Shovel Spring Tooth Attachment, Parallel, Open Sleeve .....	55	Cackerell
R-228S	8-Shovel Spring Tooth Attachment, Parallel, Round Sleeve .....	63	Cackerce
R-228S	10-Shovel Diverse Attachment .....	98	Cackerel

On O-223 and O-223X gangs if round sleeve is wanted omit "O" before gang number and substitute "R."



## The Walking Cultivator With Easy Lift



### Rock Island No. 55 "Blue Ribbon" Walking Cultivator

THE Rock Island No. 55 Blue Ribbon Walking Cultivator has won for itself a very high place in the estimation of the farmer because of the ease in handling, simplicity of construction, and ability to do a thorough job of cultivating.

#### Accurate Balance

One of the excellent features of this cultivator is the assisting spring, which may be so adjusted that any style of shovel rig will balance. The spring is not attached to the beam or the beam coupling. It does not interfere with the free swing of the gangs, but, instead, the lower end is fastened to an arm which extends from the coupling sleeve. When the gang is lowered for work this arm goes below center, the tension of the spring is removed, and there is no tendency of the shovels to rise from the ground. The front end of the spring is attached high enough so the strongest pull comes at a time when needed most, just at the point of hanging up the gangs. The gangs are adjustable to the depth you wish to cultivate, the springs hold them from going deeper, while the shovels hold the gangs to the ground.

#### Simple Construction with Exceptionally High Arch

The Rock Island No. 55 is strong, simple and durable. The high, wide arch gives plenty of clearance for the row and for tall corn, so that it may be used for late cultivation without damaging the plants.

Beam couplings are of the Rock Island cone style, which are noted for their durability and freedom in handling shovel rigs, as they hold them firmly at all times without wobble or shake, and at the same time allow front end of beam to be raised or lowered, as desired.

The wheels are all steel, 30 inches high, with removable boxings, staggered spokes, and concave tires.

An all-steel drop hitch equalizer is used. This is a most satisfactory form for equalizing perfectly the load on the horses, preventing side draft and neck weight, and keeping the cultivator moving forward in a direct line of draft. Gangs suitable for your requirements can be furnished.



## ROCK ISLAND No. 55 "BLUE RIBBON" CULTIVATOR—Continued



Improved Cone Couplings Are Used on the No. 55 Cultivator Gang

### Specifications

Straight frame.

High arch.

Improved cone couplings.

All-steel pendant equalizer.

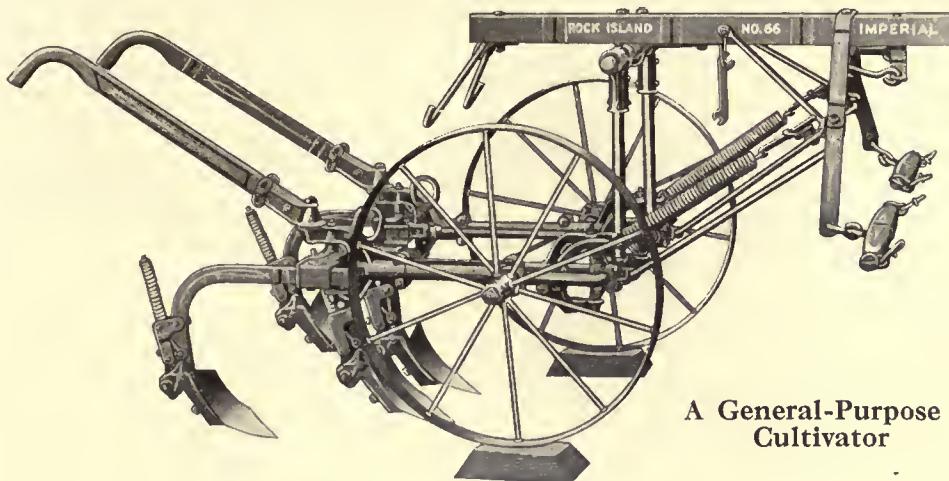
30-inch steel wheels, concave tires, dust-proof boxes.

Gang No.	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
R-21	4-Shovel, Curved Beams, Break Pin, Round Sleeve, Steel Beam.....	264	Cabasset
R-21X	4-Shovel, Curved Beams, Spring Trip, Round Sleeve, Steel Beam.....	280	Cabasson
R-41	6-Shovel, Curved Beams, Break Pin, Round Sleeve, Steel Beam.....	263	Cabaya
R-41X	6-Shovel, Curved Beams, Spring Trip, Round Sleeve, Steel Beam.....	299	Cabbala
R-23	4-Shovel, Adjustable Front Shank, Break Pin, Round Sleeve, Steel Beam.....	270	Cabber
R-23X	4-Shovel, Adjustable Front Shank, Spring Trip, Round Sleeve, Steel Beam.....	286	Caber
R-43	6-Shovel, Adjustable Front Shank, Break Pin, Round Sleeve, Steel Beam.....	262	Cabestro
R-43X	6-Shovel, Adjustable Front Shank, Spring Trip, Round Sleeve, Steel Beam.....	305	Cabin
R-25Z	8-Shovel, Zig Zag, Eagle Claw, Break Pin, Steel Beam.....	292	Cabind

NOTE: For Open Sleeve on above Gangs in place of Round Sleeve, omit "R" before Gang Number and substitute "O."



## The Original Balance Frame Cultivator



A General-Purpose Cultivator

### Rock Island No. 66 "Imperial" Cultivator

THE Rock Island No. 66 "Imperial" Cultivator balances perfectly at all times, even when the heaviest gangs are used. The wheels are set back of the arch and sufficient weight is placed in front of the axle to off-set the weight of extra heavy gangs, preventing the neckyoke from flying up when the gangs are hung up and maintaining perfect balance whether or not gangs are in operation. This perfect balance means an easier working cultivator—easier for the operator and easier on the team.

#### Rigid Cone Couplings Hold Shovels in Correct Working Position

The Rock Island No. 66 "Imperial" Cultivator couplings are made with conical bearings so that all looseness due to hard, continued usage can be easily taken up and the shovels held rigidly in the correct position for doing an extra good job of cultivating.

Strong lifting springs make it easy to handle the gangs. The tension is readily adjusted for either heavy or light gangs. The gangs can be also made to work closer to or farther away

from the row merely by moving the end of the spring in the notches provided on the spring bail.

#### High Adjustable Arch

The Rock Island "Imperial" arch is high, and is adjustable to different widths of cultivation, giving better clearance for late cultivation.

The Rock Island No. 66 "Imperial" is a most serviceable cultivator—it is so proportioned that a boy can operate it and do good work.

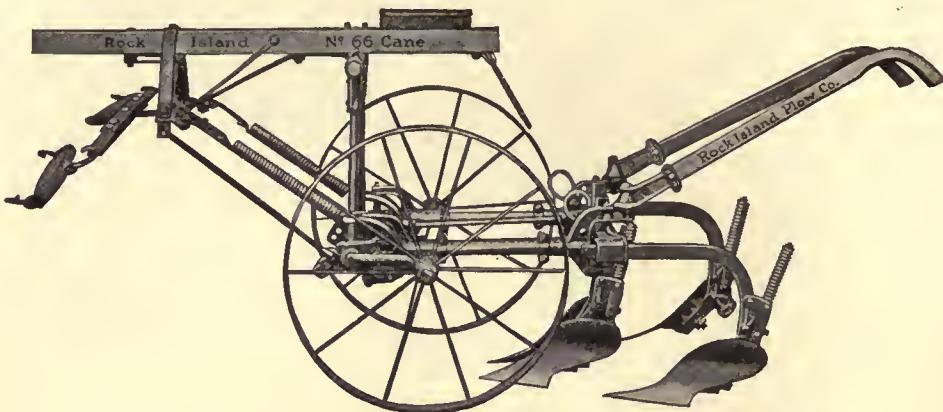
Either  $2\frac{1}{2}$  inch concave or 2-inch flat tire 30-inch wheels with heavy hubs, large staggered spokes and dust-proof boxes can be furnished. Pin and washer in end of axle prevent excessive wear on sand cap.

The handles are adjustable in height and width and are held between a double handle bracket which holds them rigid—a feature that is appreciated.

The Rock Island No. 66 "Imperial" Walking Cultivator can be equipped with the proper gangs for a complete job of cultivating in practically any field.



## A Money-Saver in the Cane Field



### Rock Island No. 66 Cane Cultivator

THE Rock Island No. 66 can be adapted for work in cane. This cultivator has the necessary strength to stand up under the hard usage experienced in the cane field. With it and a span of mules one man in one trip over the field can do three times the work that can be done by one man and mules and a ten-inch plow. He can plow out the middles between the rows, cover the mother cane properly, and cultivate the growing crop.

#### Equipment to Use

When the Rock Island No. 66 Imperial Cultivator is to be used in cane it takes the following equipment:

Round-pipe parallel beam with  $\frac{3}{4}$ " shanks.

Adjustable inside shank.

Spring trip with open sleeve.

Four moldboard shovels and two bull tongues.

Special Rock Island Steel Evener, which is adjustable for cane rows.

#### How to Use "Imperial" in Cane

**For Covering Seed Cane**—Set all four moldboard shovels to throw in.

**For Cultivating**—Set the wheels 36 inches apart to run inside of the bar furrows, using two moldboard shovels on rear shanks set to throw in, and two bull tongues on front shanks.

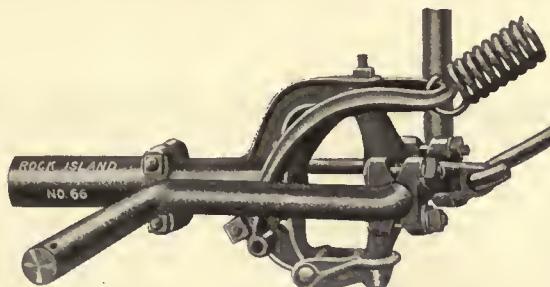
**For Later Cultivations**—Use the four mold board shovels set to throw in, and straddle the row.

**For Throwing Out Middles**—Set the wheels close together; place the right hand beam on the left hand side and the left hand beam on the right hand side, and set all four moldboard shovels to throw out.

The heavy duty gangs of the Rock Island No. 66 Imperial Cane Cultivator are nicely balanced by the use of a heavy spring and balance axle. Balance is maintained regardless of whether the gangs are in operation or hooked up out of the ground.



## ROCK ISLAND No. 66 "IMPERIAL" CULTIVATOR — Continued



Note Simple, Rigid, Gang Coupling

## Specifications

Balance frame.	30-inch steel wheels.
Adjustable arch.	Flat or concave tires.
Improved cone couplings.	Dust-proof boxes.
All-steel drop equalizer.	

Gang No.	DESCRIPTION	Shipping Weight Pounds	Code
O-2	4-Shovel, Curved Beams, Break Pin, Open Sleeve, Steel Beam.....	273	Cacas
O-2X	4-Shovel, Curved Beams, Spring Trip, Open Sleeve, Steel Beam.....	289	Caco
O-10	6-Shovel, Curved Beams, Break Pin, Open Sleeve, Steel Beam.....	281	Cacatory
O-10X	6-Shovel, Curved Beams, Spring Trip, Open Sleeve, Steel Beam.....	305	Cach
O-8S	8-Shovel, Parallel Gang, Spring Tooth, Open Sleeve, Pipe Beam.....	286	Cache
O-9S	8-Shovel, Plain Gang, Spring Tooth, Open Sleeve, Steel Beam.....	276	Cachet
O-24	4-Shovel, Parallel Gang, Break Pin, Open Sleeve, Pipe Beam.....	330	Cachery
O-24X	4-Shovel, Parallel Gang, Spring Trip, Open Sleeve, Pipe Beam.....	345	Cachon
O-27	4-Shovel, Light Parallel Gang, Break Pin, Open Sleeve, Bar Steel Beam.....	290	Cacob
O-27X	4-Shovel, Light Parallel Gang, Spring Trip, Open Sleeve, Bar Steel Beam.....	306	Cacoc
O-28	6-Shovel, Light Parallel Gang, Break Pin, Open Sleeve, Bar Steel Beam.....	340	Cacod
O-28X	6-Shovel, Light Parallel Gang, Spring Trip, Open Sleeve, Bar Steel Beam.....	358	Cacof
O-25	4-Shovel, Plain Gang, Break Pin, Open Sleeve, Pipe Beam.....	304	Cacique
O-25X	4-Shovel, Plain Gang, Spring Trip, Open Sleeve, Pipe Beam.....	335	Cack
26	4-Shovel, Plain Gang, Friction Break, Pipe Beam.....	294	Cacam
	8-Shovel Spring Tooth Attachment, Parallel, Round Sleeve.....	63	Cackerce
....	8-Shovel Spring Tooth Attachment, Parallel, Open Sleeve.....	55	Cackerell
....	Spring Tooth Attachment, Diverse.....	98	Cackerel

NOTE: If Round Sleeve is wanted on above Gangs, omit "O" and substitute "R."

No. 66 for Cane Cultivation  
With Cane Evener, 2 Bull Tongues, and 4 Hilling Shovels

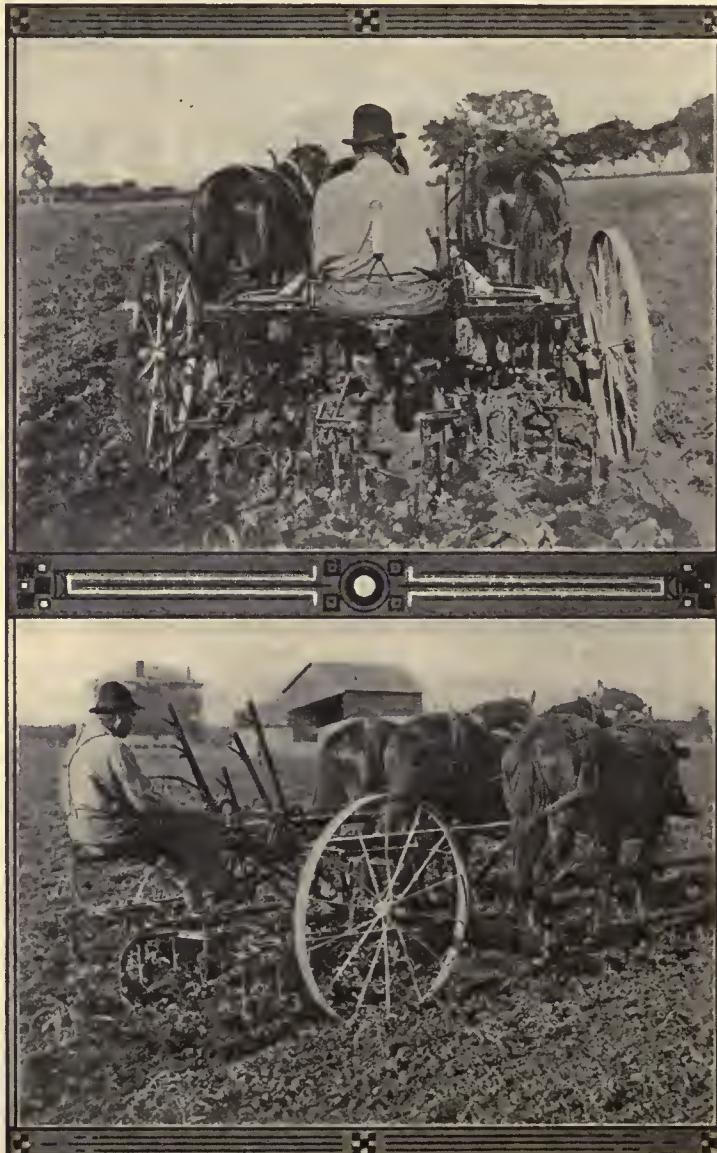
O-24	Parallel Gang, Break Pin, Open Sleeve, Pipe Beam.....	340	Caddea
O-24X	Parallel Gang, Spring Trip, Open Sleeve, Pipe Beam.....	355	Caddef
O-25	Plain Gang, Break Pin, Open Sleeve, Pipe Beam.....	324	Caddeg
O-25X	Plain Gang, Spring Trip, Open Sleeve, Pipe Beam.....	345	Caddel
26	Plain Gang, Friction Break, Pipe Beam.....	304	Caddez



ROCK ISLAND PLOW CO.—ROCK ISLAND, ILLINOIS



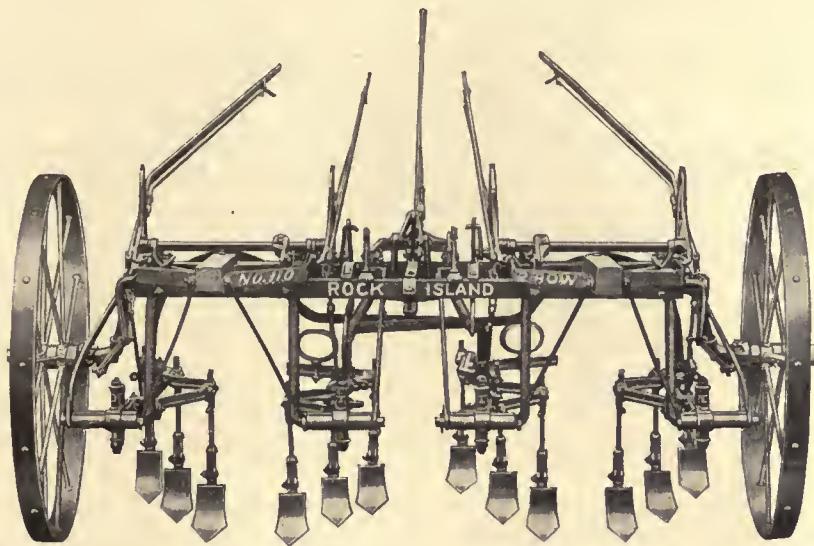
## Saves Time and Labor



Rock Island Two-Row Cultivator



## Long Swinging Gangs—Easy View of the Rows



### Rock Island No. 110 Two-Row Cultivator

One man, three horses and the Rock Island No. 110 Cultivator will do the work of two men, four horses and two single-row cultivators.

Crooked rows can easily be cultivated with this cultivator. The operator simply watches one row, and has perfect control over the cultivator. The seat is well back, giving an unobstructed view of the row.

#### A Flexible Jockey Arch

The shovel rigs are connected to one another by a jockey arch.

The No. 110 jockey arch is one of the best devices for the purpose ever designed. It is composed of the two principal members and an adjustable connection. One member connects the first and third, while the other connects the second and fourth gangs.

This arrangement, together with the pivotally attached connecting link, makes possible the raising or adjusting of any one gang with-

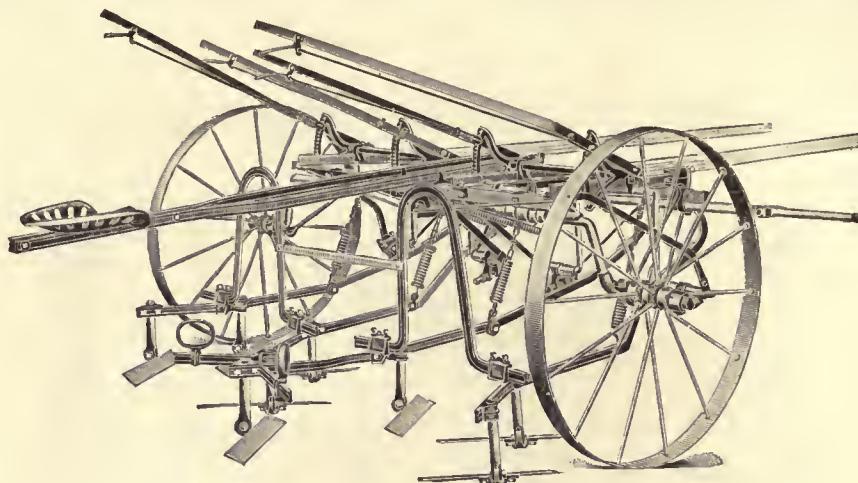
out in the least disturbing the others. The malleable feet, by which the jockey is attached to beams, are provided with a series of holes by means of which the gangs can be adjusted from 3 feet 2 inches to 3 feet 10 inches, or the center shovels of each gang can be set closer to or farther from the corn. Close or wide cultivation can be regulated also by the adjustment provided in the connecting link.

#### Improved Fenders

The fenders used on the Rock Island No. 110 are adjustable, and the most complete and satisfactory fenders ever put on any cultivator. The slotted connections at the beam provide a lateral adjustment. The set-screw arrangement at the beam end provides an easy, quick and accurate means of altering the elevation of the fenders. The corrugated cap at beam end, through which the fender arm passes, can be set either to hold fenders down rigidly, or permit them to rise and fall in a space as may be limited by the set-screw adjust-



## ROCK ISLAND No. 110 TWO-ROW CULTIVATOR—Continued



Rock Island No. 110 Cultivator with Surface Blades

ment. The fender blades are capable of further adjustment whereby the lower edge can be held parallel with the ground or the heel can be set much lower than the point.

#### Adjustable Wheel Tread with Balance Lever

The width between the gangs can be changed and the tread of the wheels is adjustable. By means of a convenient lever the frame can be balanced to accommodate the heaviest or lightest operator.

Strength is an important factor in a two-row cultivator. The No. 110 has a steel trussed axle; wheels with dust-proof, screw cap oiler, long-distance wheel boxes. Pin and washer are provided in end of axle to prevent wear on sand caps. The levers are conveniently located and widely separated, permitting of their independent manipulation without danger of bruising the hands.

The No. 110 Cultivator is built of high grade material, strong enough to do the job.

The foot stirrups and shovel shanks are adjustable. The seat can be raised or lowered and moved forward or backward.

The No. 110 is equipped with a three-horse hitch.

#### Surface Attachment

All necessary adjustments for surface attachment have been provided for, and can be made without trouble. The foot-stirrups can be shifted on the beam. The seat can be raised or lowered and moved forward or backward to suit the convenience of the operator. The blades are capable of being angled and adjusted to meet all requirements. The gangs are hung on springs to make them flexible and their operation easy.

#### Specifications

Balance frame.

Adjustable cone couplings.

Rigid balance axle.

Jockey arch regular.

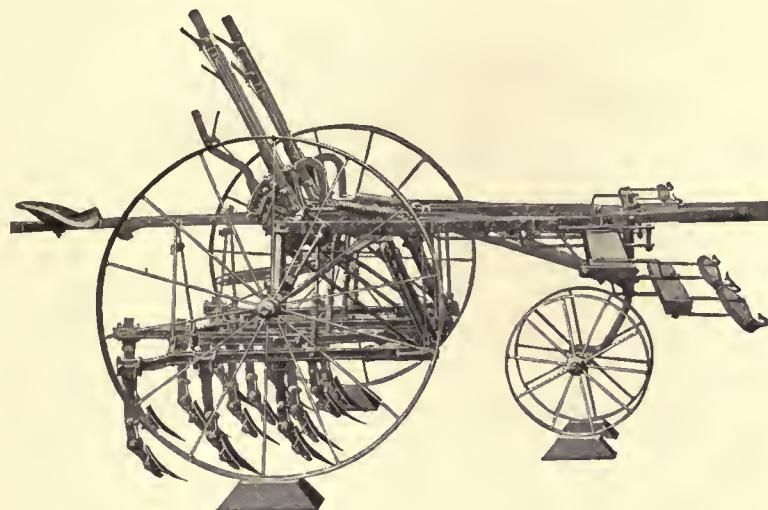
3-horse evener and neckyoke.

46-in. wheels.

No.	DESCRIPTION	Shipping Weight Pounds	Code
R-78	12-Shovel, All Shanks Adjustable, Break Pin, Round' Sleeve, Steel Beam.....	892	Coax



## Saves Time and Money



### Rock Island No. 112 Two-Row Cultivator

THE Rock Island No. 112 Two-Row Cultivator cultivates straight or crooked rows, checked or listed corn, two rows as easily as one. It has easy treadle control, runs steady, easy on horses. Short hitch—light draft.

#### Irregular Rows Easily Followed

You have three different combinations with the treadles on the No. 112—two pins, conveniently located, make all three. Lifting out the rear pin, you pivot the wheels only with the treadles; lifting out the front pin, you pivot the wheels and also shift the gangs. With these two adjustments you can follow any irregular row just as easily as with a single-row machine. Putting both pins into their slots makes the cultivator rigid for transportation purposes.

#### Only Five Levers

The construction has been so simplified that the Rock Island No. 112 has but five levers, whereas the ordinary cultivator of this type has from seven to nine.

Four of these levers are used for depth adjustment of the gangs, and the fifth one regulates the width of the gangs. After you set the levers for the desired depth, you can raise or

lower the gangs at the end of the row without changing the depth notches.

Each gang has an independent lever adjustment, so you can release trash from one gang without disturbing the other. Each gang is equipped with a spring pressure, and can be adjusted to meet any soil condition.

#### The Fifth Lever

The gangs are adjustable for 3 ft. 2 in., 3 ft. 4 in., 3 ft. 6 in., and 3 ft. 8 in. rows.

The fifth lever is within hand's reach and does not interfere with the lines or in any way bother the operator. It is used to a great extent in listed corn where the rows are irregular. In checked corn it is set for the desired width.

#### Fore-Carriage with Four-Horse Center-Draw Hitch

The Rock Island Fore-Carriage serves a three-fold purpose. It carries the weight of the front end of the cultivator, thus taking all weight off the horses; relieves the axle from undue strain and steadies the machine, thus assuring steady, easily-controlled operation.

The fore-carriage really forms a part of the cultivator. The angle frame of the cultivator



## ROCK ISLAND No. 112 TWO-ROW CULTIVATOR—Continued



Rock Island No. 112 Fore-Carriage

is bolted securely to the angle frame of the fore-carriage, and is firmly braced by angle braces from the frame to the fore-carriage axle.

An adjustment on the axle permits the raising or lowering of the cultivator frame on the fore-carriage.

A swivel joint on the axle permits the wheels to conform to any unevenness of the ground without affecting shovel depth.

The fore-carriage wheels are 22-inch diameter with 2½-inch oval tires, dust-proof boxings with pin and washer in end of axle.

### Single Point Four-Horse Hitch

To insure a steady, even pull on the cultivator, the evener is carried from a single point back of the fore-carriage truck pivot, supported on either side by evener support arms, which permits ample equalization of the evener, yet keeps it out of the wheels. This construction permits a close hitch.

The four-horse evener is the straight wood bar type, heavily ironed and trussed. The single drop pole eliminates neck weight.

### Short Coupled Gangs

The Rock Island No. 112 has a short coupled gang, the front shovel being well ahead. This is very important for even depth cultivation. For instance, when a wheel goes into a rut or over a ridge, the shovel follows the wheel, thus insuring even depth cultivation.

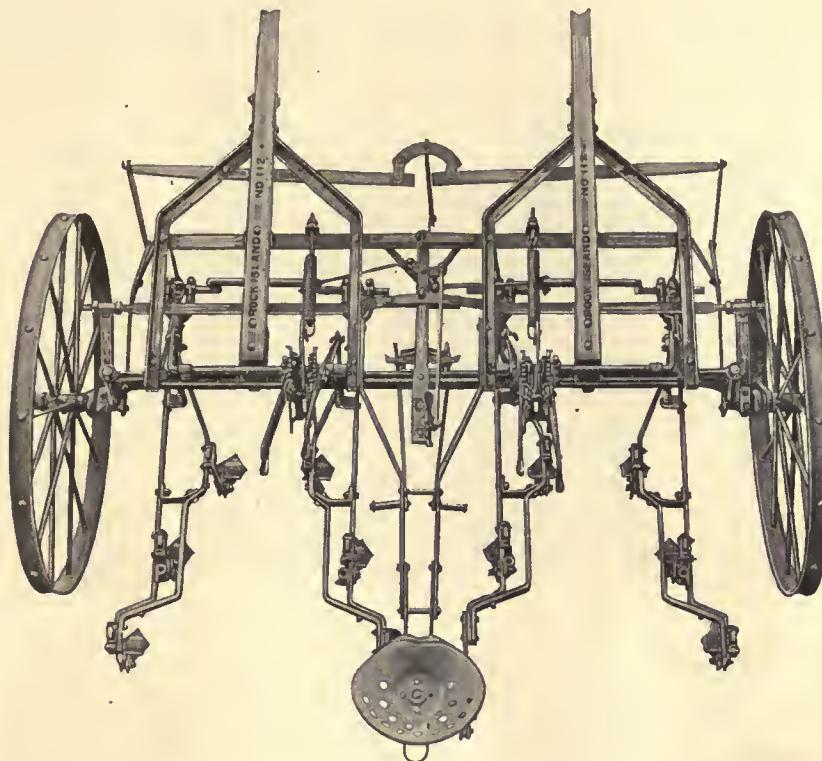
The No. 112 is furnished with either 4, 6 or 8-shovel gangs, break pin or spring trip. A shorter 4 or 6-shovel gang can also be furnished and is especially adapted to listed corn. Spear point shovels can also be furnished in place of the regular plain shovel. Disc hillers can be furnished as an extra. This cultivator is regularly equipped with extra long fenders and jockey arch. The wheels are 48 inches high and have 3-inch concave tires. Dust-proof axles are provided.

### Indestructible Frame

The frame of the Rock Island No. 112 is made of the very best angle steel. There are two sets of hounds, both forming individual frames for the two sets of gangs. These are substantially tied together by the axle at the rear and an angle at the front running the full



## ROCK ISLAND No. 112 TWO-ROW CULTIVATOR —Continued



Top View Rock Island No. 112 Cultivator

width of the machine. The axle is built of two heavy bars of high carbon steel.

#### Comfort for Operator

In providing all these excellent features for the Rock Island No. 112 Two-Row, we have not neglected the operator in any way.

The operator sits well back and the treadles extend back of the frame. All levers are within easy reach, and the seat and treadles are so arranged that the gangs do not strike the sides of the feet when they raise from the ground. The seat is adjustable back and forth, and up and down, to accommodate either man or boy.

#### Rock Island Special Three-Horse Hitch—No Fore-Carriage

The Rock Island Special Three-Horse Hitch is one of considerable importance. It is designed to relieve neck weight on the horses without complicating the implement.

The original three-horse pendant hitch is exclusively a Rock Island feature. The object of the pendant is to get a low hitch and thus take the neck weight off the horses. At the same time, this hitch acts as a perfect equalizer. The evener is all steel and is securely braced underneath the frame. A series of holes is provided so you can adjust the hitch to accommodate the weight of the operator.



## ROCK ISLAND No. 112 TWO-ROW CULTIVATOR—Continued



## Rock Island No. 112 Two-Row

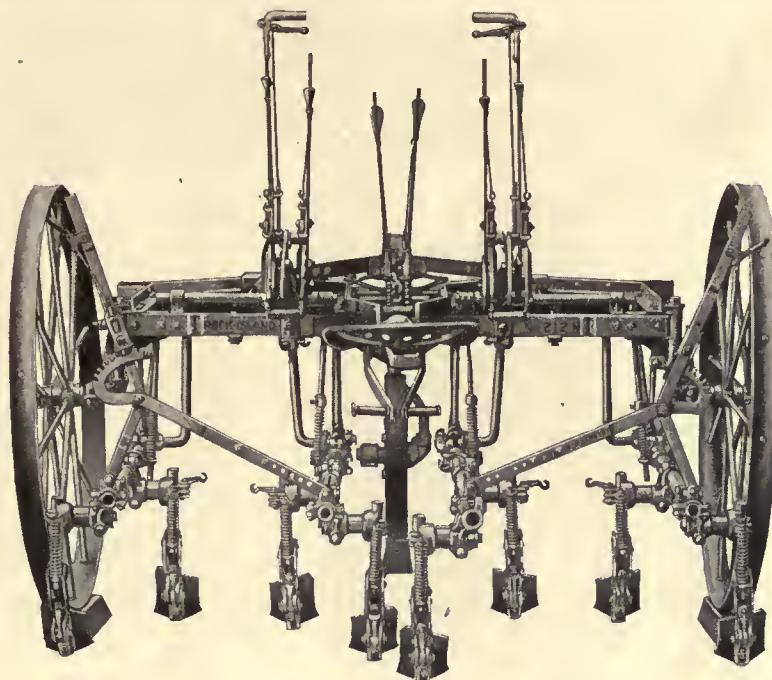
Pivot axle.	Parallel beams.
Treadle guide.	48-inch steel wheels.
All-steel 3-horse equalizer or 4-horse hitch with fore-carriage.	3-inch concave tires.
	Dust-proof boxes.

Gang No.	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
R-55	8-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Steel Beam . . . . .	820	Coe
R-55X	8-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Steel Beam . . . . .	845	Cof
R-58	12-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Steel Beam . . . . .	858	Cog
R-58X	12-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Steel Beam . . . . .	907	Coi
R-52	16-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Steel Beam . . . . .	857	Cok
R-52X	16-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Steel Beam . . . . .	958	Col
R-65	8-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Short Gang . . . . .	810	Colla
R-65X	8-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Short Gang . . . . .	835	Collab
R-68	12-Shovel, all Shanks Adjustable, Break Pin, Round Sleeve, Short Gang . . . . .	845	Collac
R-68X	12-Shovel, all Shanks Adjustable, Spring Trip, Round Sleeve, Short Gang . . . . .	880	Collaf
....	Disc Hiller Attachment for Shovel Gangs . . . . .	33	
....	Sweeps (or Duckfoot Shovels), see Shovel Sets. Takes 2 sets of 6 . . . . .	...	
....	(2) Center Shovel Attachment, Break Pin . . . . .	...	
....	(2) Center Shovel Attachment, Spring Trip . . . . .	...	
....	3-Horse All Steel Hitch, as an extra . . . . .	75	
....	Cult. Equipped with 2-Wheel Fore Truck with Single Pole and 4-Horse Wood Evener, in place of 3-Horse Steel Evener . . . . .	...	
....	Fore Truck with Single Pole and Wood 4-Horse Evener, as an extra . . . . .	303	Cop
	No. 112-A Cultivator (Special Gang Lever Lock) takes same equipment and prices as No. 112 Regular.		

NOTE: For Open Sleeve on Gangs with "R" before Gang number, omit "R" and substitute "O."



## The Two-Row Cultivator for Southern Farms



### Rock Island No. 212-N Cotton and Corn Cultivator

THE man who is going to operate the cultivator wants to be comfortable—to have everything convenient, and, at the same time, get a good view of the row. On the Rock Island No. 212-N, the operator sits well back and the treadles extend back of the frame. All levers are in easy reach, and the seat and treadles are located for the operator's comfort. The seat is adjustable backward and forward, and up and down, to accommodate either man or boy.

#### Fore-Carriage with Four-Horse Center-Draw Hitch

The Rock Island Fore-Carriage serves a threefold purpose. It carries the weight of the front end of the cultivator, taking all weight off the horses; relieves the axle from undue strain, and steadies the machine, thus assuring steady, easily-controlled operation.

Note particularly the construction of the fore-carriage and how it forms a part of the cultivator. The angle frame of the cultivator

is bolted securely to the angle frame of the fore-carriage, and is firmly braced by angle braces from the frame to the fore-carriage axle.

An adjustment on the axle permits the raising or lowering of the cultivator frame on the fore-carriage. This makes possible leveling of front and rear shovels easily.

The fore-carriage is carried by a single solid-steel (pan-type) wheel. This wheel is provided with dust-proof boxings, with pin and washer in end of axle. The single pan-type wheel prevents any possibility of interference with the row. No spokes to catch and tear the cotton stalks.

#### Single Point Hitch

To insure a steady, even pull on the cultivator, the evener is carried from a single point back of the fore-carriage truck pivot and supported on either side by evener support arms, which permits ample equalization of the evener, yet keeps it out of the wheels. This construction permits a short hitch.



## ROCK ISLAND 212-N TWO-ROW CULTIVATOR—Continued



**Rock Island Single-Wheel Fore-Carriage**

The four-horse evener is the straight wood-bar type, strongly trussed. The single drop pole eliminates neck weight.

### **Short-Coupled Gang**

The Rock Island No. 212-N has a short coupled gang, the front shovel coming directly under the axle. This is very important for even-depth cultivation.

The gangs are adjustable to meet the requirements of different times of cultivation. The gangs are arranged so as to give plenty of clearance between the two center shovels. The coupling has an adjustment for taking out all unnecessary slack. As a result, you have a rigid coupling during the life of the implement.

All open sleeves on the No. 212-N will accommodate any desired size of standard sweep.

### **Perfect Control of Gangs**

The Rock Island No. 212-N has six levers. Four of these levers are used for depth adjustment of the gangs, and the other two regulate the width. After you set the machine for the desired depth, you can easily raise the gangs at

the end of the row. The two long levers with assisting springs raise the gangs out of the ground. Then when you start again, just drop the gangs and they go back to the same depth as before, because the notches have not been changed. In this way even cultivation is assured over the entire field.

These four levers also permit you to release trash from one gang without disturbing the other, because they work independently if desired.

The two center levers regulate the width of the gang adjustments. The gangs are adjustable 2 feet 8 inches, 2 feet 10 inches, 3 feet, 3 feet 2 inches, 3 feet 4 inches, and 3 feet 6 inches.

By working the center levers in connection with the treadles, you can easily follow uneven rows. You can also keep one set of gangs perfectly straight and follow a crooked row with the other.

These levers are used to a great extent in listed cotton or corn where the rows are irregular. Where rows are regular, as in rows planted with a two-row planter, the No. 212-N can be set to the desired width.



## ROCK ISLAND No. 212-N CULTIVATOR—Continued



Rock Island No. 212-N Two-Row Cultivator at Work in Cotton Field

**Either Pivot Wheel Only or Pivot Wheel and Gang Shift**

There are three different combinations with the treadles on the No. 212-N. Two pins, conveniently located, make all three. Lifting out the rear pin, you can pivot the wheels with the treadles; lifting out the front pin, you can pivot the wheels and shift the gangs; putting both pins into their slots makes your cultivator rigid for transportation purposes.

The No. 212-N is a light-draft machine, and, with the fore-carriage and four-horse wood-bar hitch, makes a dependable cultivator.

**Rock Island Three-Horse Hitch**

The three-horse is a wood evener and must be used with double pole and without fore-carriage.

It is so designed that excessive neck weight is eliminated.

**Jockey Arch**

An especially-designed jockey arch, adjustable to all different-row conditions of Southern farms, is furnished as regular equipment with this cultivator. This jockey arch, after being set for the width of row, is easily operated from the seat of the cultivator for adjusting the shovels or sweeps to or from the rows.

**Indestructible Frame**

The frame of the Rock Island No. 212-N is made of angle steel. The axle is built of two heavy bars of high-carbon steel. The tread of this machine is extra narrow to accommodate the narrow cotton rows of the South.

Gang No.	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
O-25	8-Shovel, Break Pin, Pipe Beam, Open Sleeve.....	775	Coma
O-25X	8-Shovel, Spring Trip, Pipe Beam, Open Sleeve.....	857	Comb
26	8-Shovel, Friction Break, Pipe Beam.....	860	Comca
O-58	12-Shovel, Break Pin, I-Beam, Open Sleeve.....	790	Comd
O-58X	12-Shovel, Spring Trip, I-Beam, Open Sleeve.....	843	Comf
....	Cult, equipped with 3-Horse Wood Evener and 2 Poles in place of Fore-Truck Equipment.....	260	Comfort
....	Single Wheel Fore-Truck with Pole and 4-Horse Evener, as an extra.....	260	Comi



## Rock Island "Spearpoint" and Duckfoot Shovels

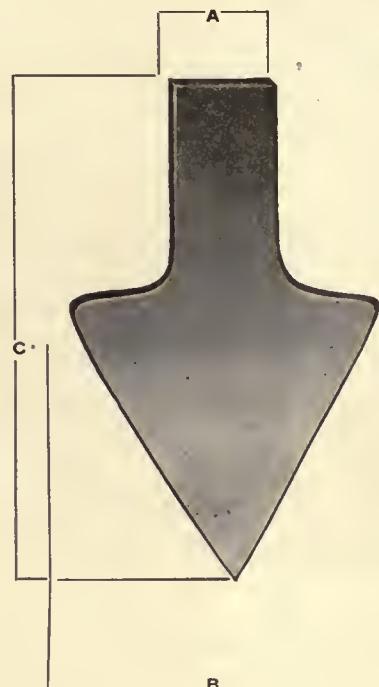
ON ACCOUNT of its shape, the Rock Island "Spearpoint" shovel cuts a much wider strip than the common shovel and does a thorough job of cultivating.

The upper part of the shovel is cut away, so that there is less resistance to the dirt at the top than on the ordinary shovel.

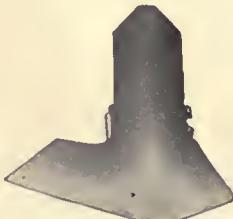
As you know, the top of the shovel is always the first place that the dirt will stick.

Rock Island "Spearpoint" shovels are made from the very best soft center steel. This steel has the desired hard surface for scouring purposes, and with the soft center, gives the shovels the necessary strength. The plating and polishing is the same high grade workmanship used in all Rock Island Shovels. Crucible steel "Spearpoint" Shovels also can be furnished.

These shovels will fit any standard round sleeve shank cultivator. Get your customers to try out a set on one of his cultivators. The cost is little but the value is great.



### Rock Island Duckfoot Shovels



V11036 R. H.—1/2 Sweep



V11035 Full—8 1/2 inch



V11037 L. H.—1/2 Sweep

### Specifications for "Spearpoint" Shovels

SPEARPOINT SHOVEL NO.	Dimension "A"	Dimension "B"	Dimension "C"
V-10819 . . . . .	2 -in.	3 1/2-in.	8-in.
V-10820 . . . . .	2 -in.	4 1/2-in.	8-in.
V-10831 . . . . .	2 -in.	5 1/2-in.	8-in.
V- 8291 . . . . .	2 -in.	6 -in.	8-in.
V- 8044 . . . . .	2 1/2-in.	7 -in.	9-in.



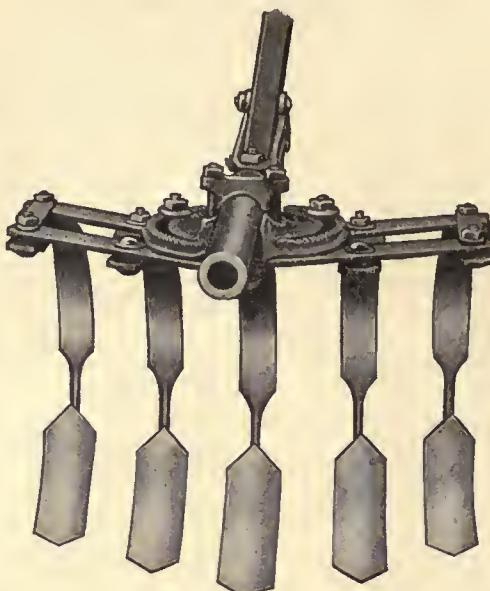
## Rock Island Cultivator Shovels

Set (4)—5 inch R-S hard twisted shovels  
Set (4)—5 inch O-S hard twisted shovels  
Set (4)—5 inch R-S hard straight shovels  
Set (4)—5 inch O-S hard straight shovels  
Set (4)—5 inch R-S crucible twisted shovels  
Set (4)—5 inch O-S crucible twisted shovels  
Set (4)—5 inch R-S crucible straight shovels  
Set (4)—5 inch O-S crucible straight shovels  
Set (4)—5 inch O-S crucible removable bolt  
Set (4)—5 inch R-S crucible (2 twisted, 2 spear point) shovels for 025 and 025X gangs  
Set (4)—5 inch O-S crucible (2 twisted, 2 spear point) for No. 26 gangs  
Set (4)—5 inch R-S hard straight 2 twisted shovels  
Set (6)—3½ inch R-S hard twisted shovels  
Set (6)—3½ inch O-S hard twisted shovels  
Set (6)—3½ inch R-S hard straight shovels  
Set (6)—3½ inch O-S hard straight shovels  
Set (6)—3½ inch R-S crucible twisted shovels  
Set (6)—3½ inch O-S crucible twisted shovels  
Set (6)—3½ inch R-S crucible straight shovels  
Set (6)—3½ inch O-S crucible straight shovels  
Set (6)—3½ inch O-S crucible removable bolt shovels  
Set (6)—3½ inch R-S hard double point shovel  
Set (6)—3½ inch O-S hard double point shovel  
Set (8)—3 inch R-S hard double point shovel  
Set (8)—3 inch O-S hard double point shovel  
Set (8)—3 inch R-S hard eagle claw shovel  
Calf tongue R-S hard shovels  
Calf tongue\*O-S hard shovels  
Calf tongue 1¾ inch O-S double point shovels  
Calf tongue 2¼ inch R-S double point shovels  
2¼ inch—bull tongue O-S  
R. H. hillng shovels R-S spring tooth  
L. H. hillng shovels R-S spring tooth  
R. H. hillng shovels O-S spring tooth  
L. H. hillng shovels O-S spring tooth  
Pair 6 inch hillng shovels—O-S  
Pair moldboard shovels—R-S  
Set (6)—duck foot shovels R-S  
Set (6)—3 inch hard R-S straight shovels  
Set (6)—3 inch hard O-S straight shovels  
Set (8)—3 inch hard R-S straight shovels  
Set (8)—2½ inch hard O-S double point shovels  
Set (8)—4 inch R-S hard straight shovels  
Set (8)—3½ inch R-S hard twisted shovels  
Set (8)—4 inch O-S hard straight shovels  
Set (4)—No. 2 surface blades  
Set (6)—No. 10 surface blades  
Set (6)—5 inch R-S straight hard shovels  
Set (6)—3½ inch R-S hard spear point shovel  
Set (6)—3½ inch O-S hard spear point shovel  
Set (8)—3½ inch R-S hard spear point shovel  
Set (8)—3½ inch O-S hard spear point shovel  
Set (4)—4½ inch R-S hard spear point shovel  
Set (4)—4½ inch O-S hard spear point shovel  
Set (6)—4½ inch R-S hard spear point shovel  
Set (6)—4½ inch O-S hard spear point shovel  
Set (8)—4½ inch R-S hard spear point shovel  
Set (8)—4½ inch O-S hard spear point shovel  
Set (4)—5½ inch R-S hard spear point shovel  
Set (4)—5½ inch O-S hard spear point shovel  
Set (6)—5½ inch R-S hard spear point shovel  
Set (6)—5½ inch O-S hard spear point shovel  
Set (4)—6 inch R-S hard spear point shovel  
Set (4)—6 inch O-S hard spear point shovel  
Set (6)—6 inch R-S hard spear point shovel  
Set (6)—6 inch O-S hard spear point shovel  
Set (4)—7 inch R-S hard spear point shovel  
Set (4)—7 inch O-S hard spear point shovel  
Set (6)—7 inch R-S hard spear point shovel  
Set (6)—7 inch O-S hard spear point shovel

R-S = Round Sleeve; O-S = Open Sleeve



## Fits Any Rock Island Pipe Beam Cultivator



### Rock Island Diverse Gang Attachment

THE Rock Island Diverse Gang Attachment will fit any pipe beam on any Rock Island Cultivator, either rider or walker, also many other cultivators.

For dry farming, rapid, shallow cultivation, as done with the "Diverse," is approved by all authorities. It pulverizes the earth, destroys all grass and weeds, leaves a mulch that prevents evaporation of moisture, leaves the bed level, mellow and clean, and does not injure the roots of the plants.

In wet seasons it will go into the field sooner, and weeds need never get a start. For rough land Diverse gangs will do better work than any other. The elastic, oil-tempered, spring steel teeth will spring over roots, grubs, stones, etc., and will not hang.

A set of Diverse Gang Attachments consists

of two parts, each having five spring teeth, as shown above. The malleable slotted corrugated head makes possible quick and easy adjustment of the teeth to any position and to width of cut.

Each gang can be set in "A" or "V" Shape, right or left side harrow, or straight across the beam. It is clamped to the beam—no holes through the beam.

The teeth are pivoted between two bars at the rear—cannot get out of position.

High quality oil-tempered spring steel teeth are used.

The shovels are double-pointed and are detachable, instead of being part of the spring. They give twice the wear and can be replaced cheaper than where the spring forms the shovel.

**Good Equipment Makes a Good Farmer Better**



## Rock Island Spring Trip



Fig. 1

Position of Shovel Sleeve before Spring has been tripped

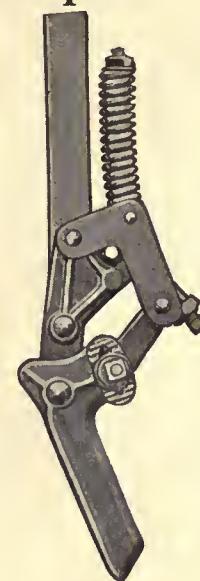


Fig. 2

Position of Shovel Sleeve with Spring tripped

THE Rock Island Spring Trip has proved very effective and satisfactory when cultivating in stony or stumpy ground. It has a clean front with no parts in front of the shanks to gather trash or obstruct the working of the shovels.

When the machine strikes an obstruction it allows the shovels to pass clear over the stone or stump. This saves considerable breakage and time in the course of cultivating.

The spring trip open sleeve will take the ordinary shovel as well as any type of sweep that is now on the market. Round sleeve shanks can also be furnished. These sleeves have a corrugated adjustment for regulating the suck of the sweep or shovel.

Rock Island Spring Trip has a set-screw adjustment which enables the user to vary the break of the trip.

The Rock Island Spring trip is four pivot trip in place of the ordinary three. The fourth pivot prevents the trip from ever locking over center regardless of wear.

### Rock Island Disc Hiller

The Disc Hiller can be used on any Rock Island gang, as it is clamped to the beam with full universal clamp.

It is adjustable backward or forward on the beam and may be placed inside or outside of beam to throw the dirt either to or from the row. It is also adjustable for depth. Dust-proof bearing is provided. Due to the convenience in fastening to the beam, the Disc Hiller may be used in place of front shovel or in connection with it.

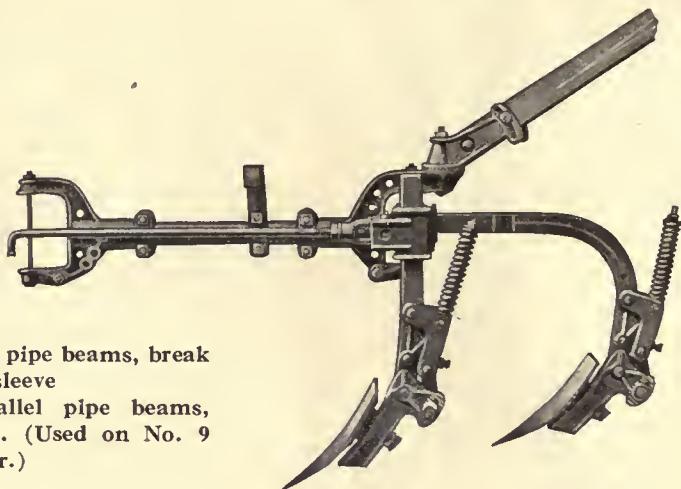


Disc Hiller



## Rock Island Cultivator Gangs

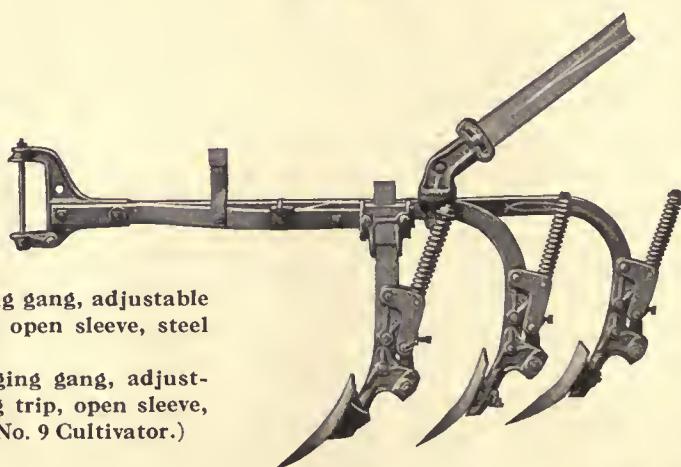
O-224X



O-224—4 shovel, parallel pipe beams, break pin, open sleeve

O-224X—4 shovel, parallel pipe beams, spring trip, open sleeve. (Used on No. 9 Cultivator.)

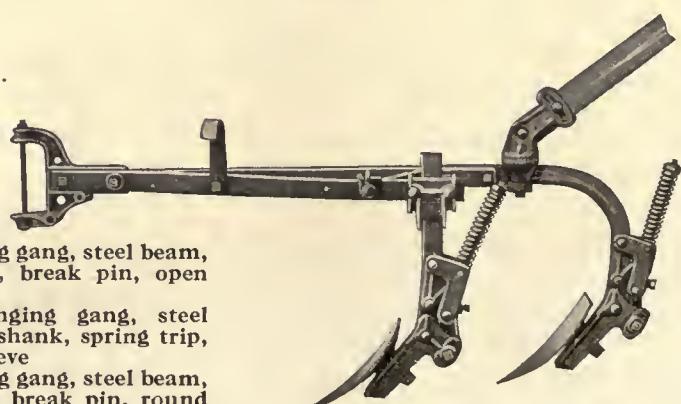
O-243X



O-243—6 shovel, swinging gang, adjustable front shank, break pin, open sleeve, steel beam

O-243X—6 shovel, swinging gang, adjustable front shank, spring trip, open sleeve, steel beam. (Used on No. 9 Cultivator.)

O-223X



O-223—4 shovel, swinging gang, steel beam, adjustable front shank, break pin, open sleeve

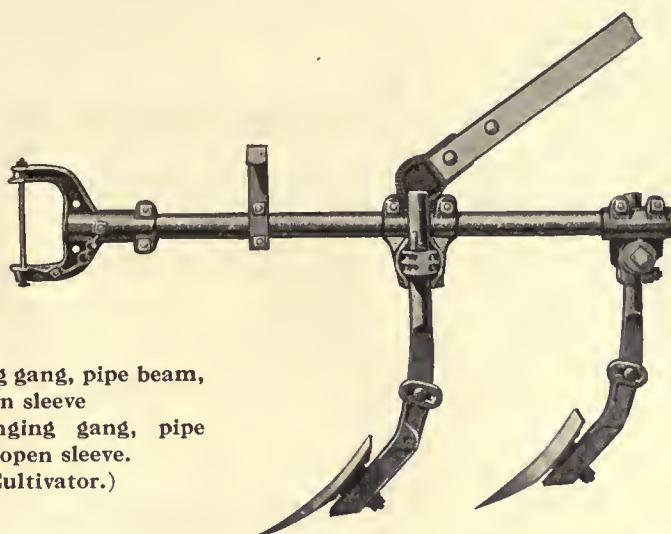
O-223X—4 shovel, swinging gang, steel beam, adjustable front shank, spring trip, open sleeve

R-223—4 shovel, swinging gang, steel beam, adjustable front shank, break pin, round sleeve

R-223X—4 shovel, swinging gang, steel beam, adjustable front shank, spring trip, round sleeve. (Used on No. 9 Cultivator.)



## ROCK ISLAND CULTIVATOR GANGS—Continued

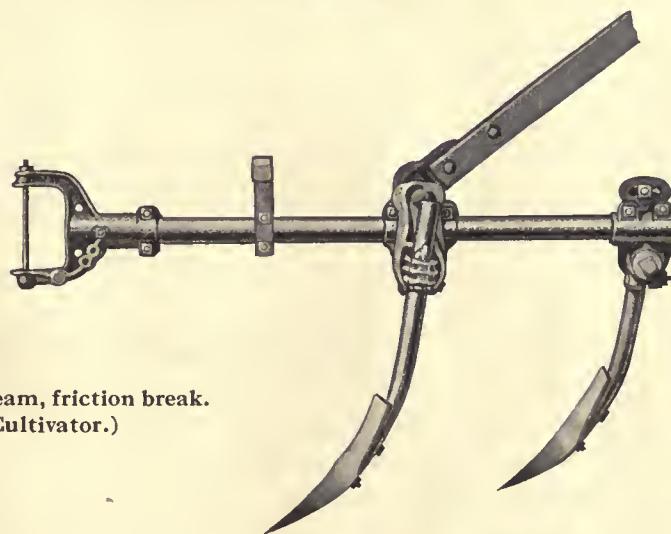
**O-225**

O-225—4 shovel, swinging gang, pipe beam,

break pin, open sleeve

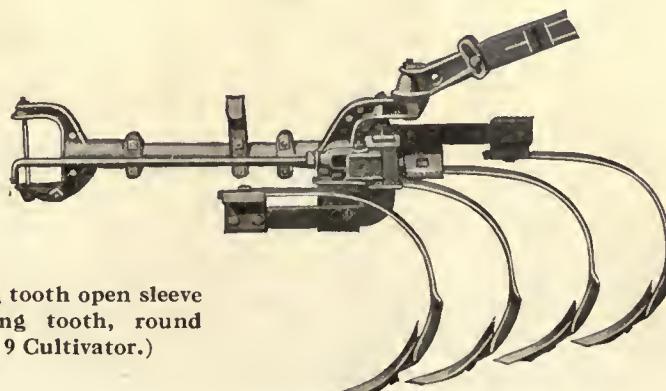
O-225X—4 shovel, swinging gang, pipe beam, spring trip, open sleeve.

(Used on No. 9 Cultivator.)

**No. 226**

No. 226—4 shovel, pipe beam, friction break.

(Used on No. 9 Cultivator.)

**O-228-S**  
**Spring Tooth**

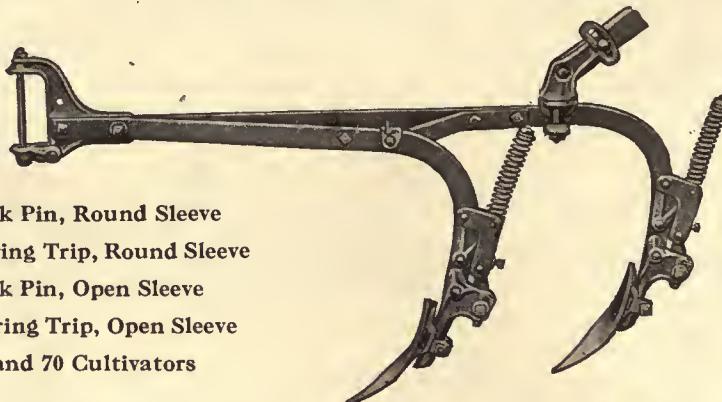
O-228-S—8 shovel, spring tooth open sleeve

R-228-S—8 shovel, spring tooth, round sleeve. (Used on No. 9 Cultivator.)



## Rock Island Cultivator Gangs

**R-21X**



R-21—4-Shovel, Break Pin, Round Sleeve

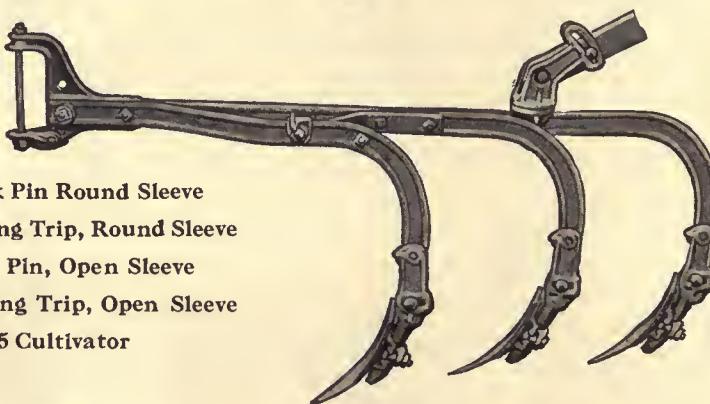
R-21X—4-Shovel, Spring Trip, Round Sleeve

O-21—4-Shovel, Break Pin, Open Sleeve

O-21X—4-Shovel, Spring Trip, Open Sleeve

Used on Nos. 55 and 70 Cultivators

**R-41**



R-41—6-Shovel, Break Pin Round Sleeve

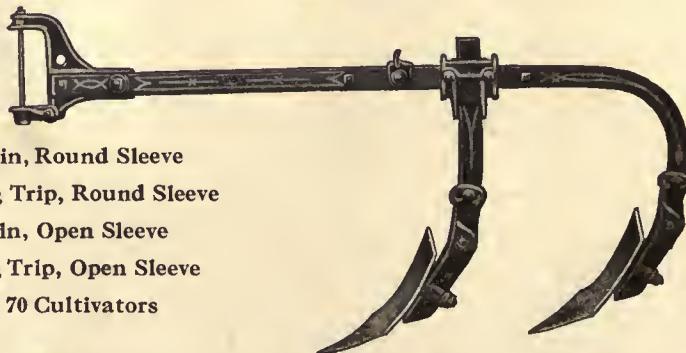
R-41X—6-Shovel, Spring Trip, Round Sleeve

O-41—6-Shovel, Break Pin, Open Sleeve

O-41X—6-Shovel, Spring Trip, Open Sleeve

Used on No. 55 Cultivator

**O-23**



R-23—4-Shovel, Break Pin, Round Sleeve

R-23X—4-Shovel, Spring Trip, Round Sleeve

O-23—4-Shovel, Break Pin, Open Sleeve

O-23X—4-Shovel, Spring Trip, Open Sleeve

Used on Nos. 55 and 70 Cultivators

**O-43**



R-43—6-Shovel, Break Pin, Round Sleeve

R-43X—6-Shovel, Spring Trip, Round Sleeve

O-43—6-Shovel, Break Pin, Open Sleeve

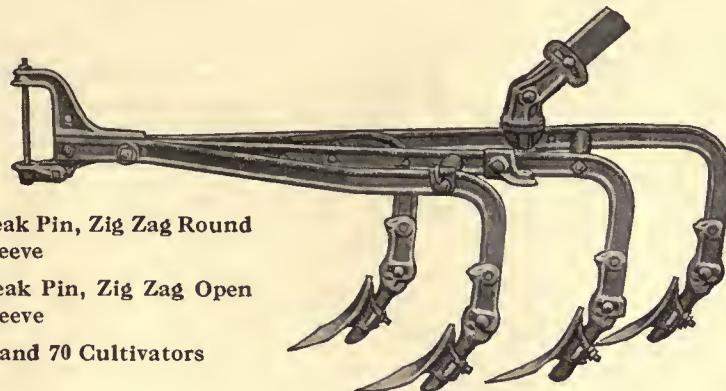
O-43X—6-Shovel, Spring Trip, Open Sleeve

Used on Nos. 55 and 70 Cultivators



## ROCK ISLAND CULTIVATOR GANGS—Continued

**R-25Z**

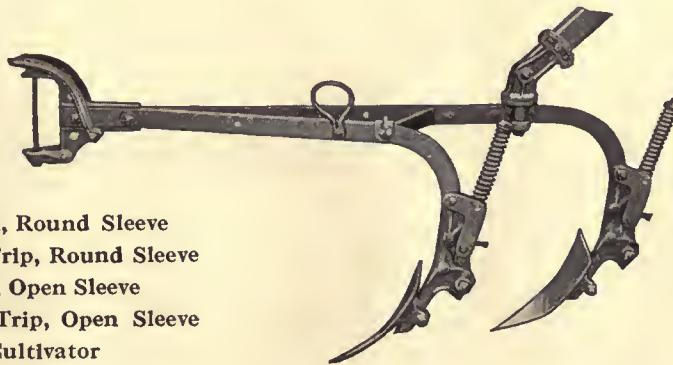


R-25Z—8-Shovel, Break Pin, Zig Zag Round Sleeve

O-25Z—8-Shovel, Break Pin, Zig Zag Open Sleeve

Used on Nos. 55 and 70 Cultivators

**R-2X**



R-2—4-Shovel, Break Pin, Round Sleeve

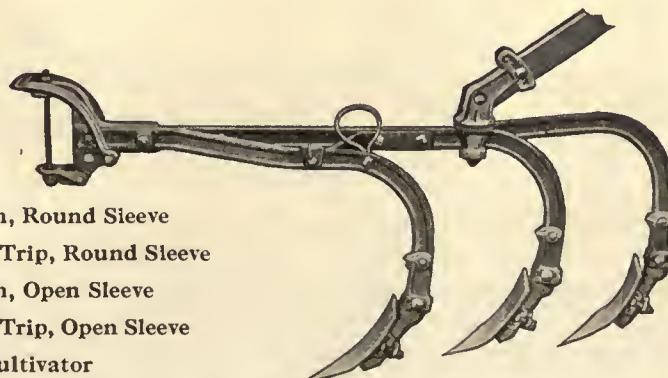
R-2X—4-Shovel, Spring Trip, Round Sleeve

O-2—4-Shovel, Break Pin, Open Sleeve

O-2X—4-Shovel, Spring Trip, Open Sleeve

Used on No. 66 Cultivator

**R-10**



R-10—6-Shovel, Break Pin, Round Sleeve

R-10X—6-Shovel, Spring Trip, Round Sleeve

O-10—6-Shovel, Break Pin, Open Sleeve

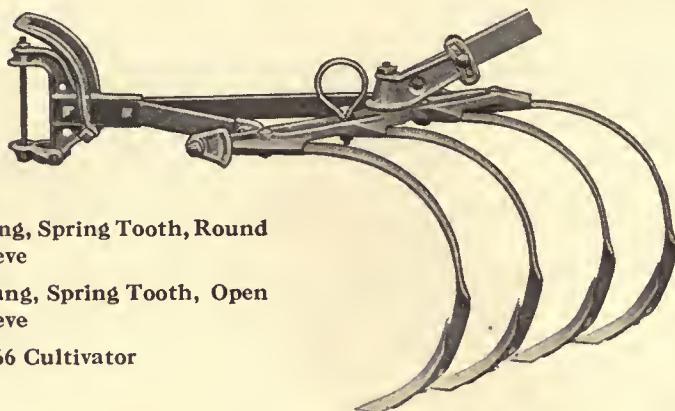
O-10X—6-Shovel, Spring Trip, Open Sleeve

Used on No. 66 Cultivator



## ROCK ISLAND CULTIVATOR GANGS—Continued

O-9S

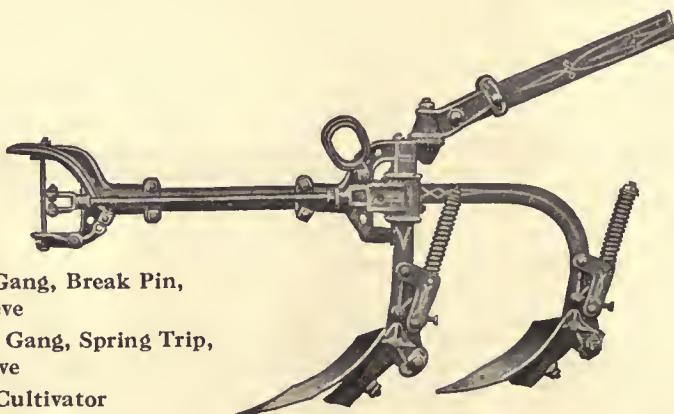


R-9S—8-Shovel, Plain Gang, Spring Tooth, Round Sleeve

O-9S—8-Shovel, Plain Gang, Spring Tooth, Open Sleeve

Used on No. 66 Cultivator

O-24X

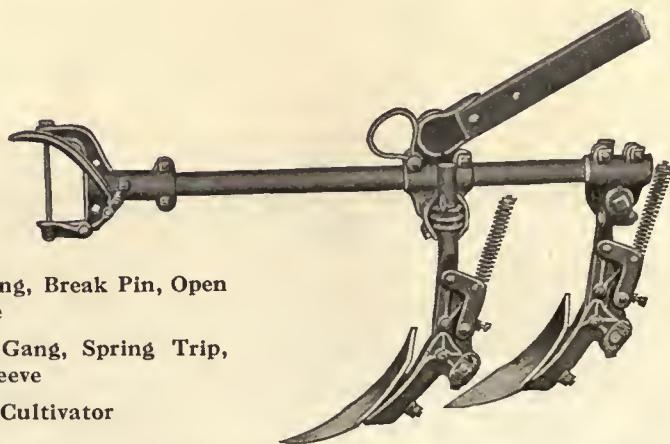


O-24—4-Shovel, Parallel Gang, Break Pin, Open Sleeve

O-24X—4-Shovel, Parallel Gang, Spring Trip, Open Sleeve

Used on No. 66 Cultivator

O-25X



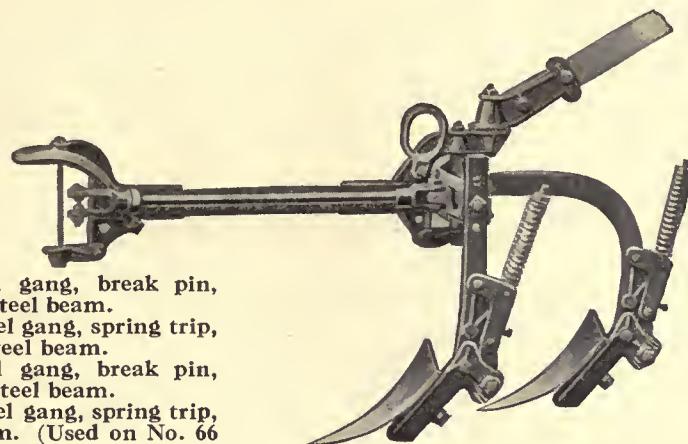
O-25—4-Shovel, Plain Gang, Break Pin, Open Sleeve

O-25X—4-Shovel, Plain Gang, Spring Trip, Open Sleeve

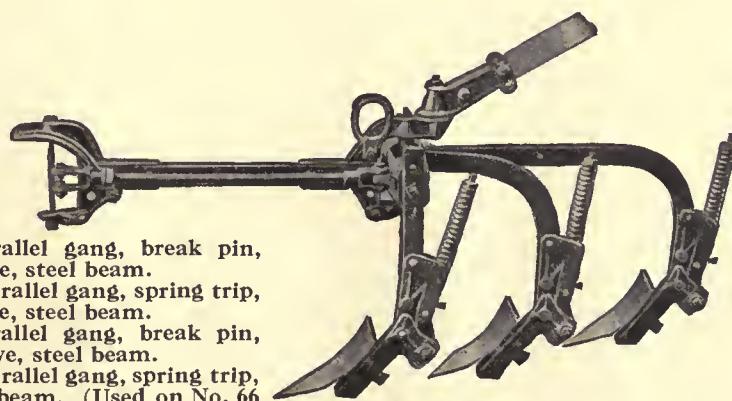
Used on No. 66 Cultivator



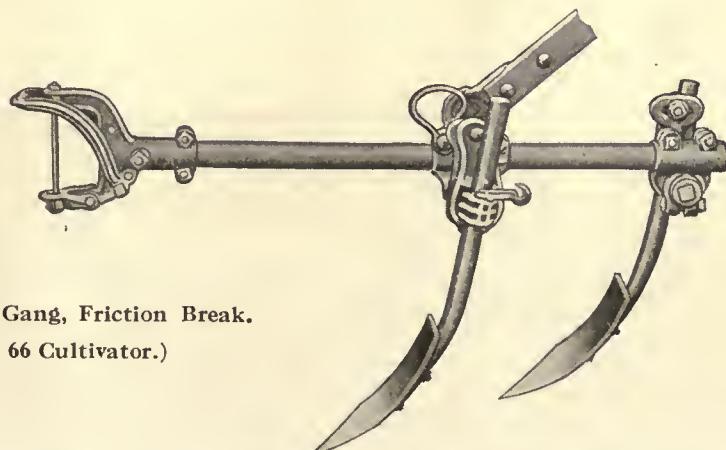
## ROCK ISLAND CULTIVATOR GANGS—Continued

**O-27X**

O-27—4-shovel, parallel gang, break pin, open sleeve, steel beam.  
O-27X—4-shovel, parallel gang, spring trip, open sleeve, steel beam.  
R-27—4-shovel, parallel gang, break pin, round sleeve, steel beam.  
R-27X—4-shovel, parallel gang, spring trip, round sleeve, steel beam. (Used on No. 66 Cultivator.)

**O-28X**

O-28—6-shovel, parallel gang, break pin, open sleeve, steel beam.  
O-28X—6-shovel, parallel gang, spring trip, open sleeve, steel beam.  
R-28—6-shovel, parallel gang, break pin, round sleeve, steel beam.  
R-28X—6-shovel, parallel gang, spring trip, round sleeve, steel beam. (Used on No. 66 Cultivator.)

**No. 26**

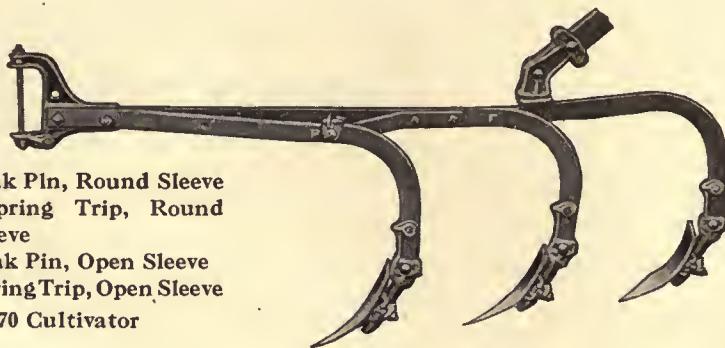
26—4-Shovel, Plain Gang, Friction Break.  
(Used on No. 66 Cultivator.)



## ROCK ISLAND CULTIVATOR GANGS—Continued

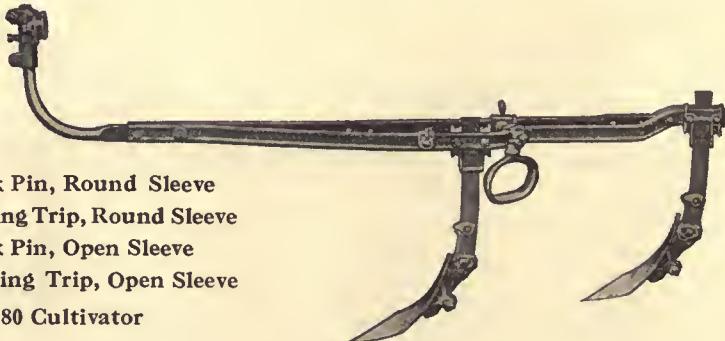
**R-31**

R-31—6-Shovel, Break Pln, Round Sleeve  
R-31X—6-Shovel, Spring Trip, Round  
Sleeve  
O-31—6-Shovel, Break Pin, Open Sleeve  
O-31X—6-Shovel, Spring Trip, Open Sleeve  
Used on No. 70 Cultivator



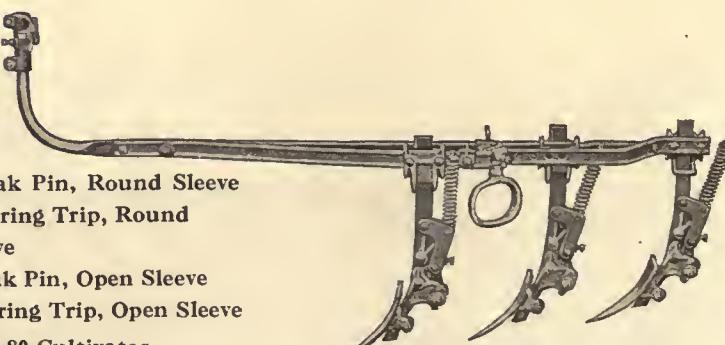
**R-5**

R-5—4-Shovel, Break Pin, Round Sleeve  
R-5X—4-Shovel, Spring Trip, Round Sleeve  
O-5—4-Shovel, Break Pin, Open Sleeve  
O-5X—4-Shovel, Spring Trip, Open Sleeve  
Used on No. 80 Cultivator



**R-18X**

R-18—6-Shovel, Break Pin, Round Sleeve  
R-18X—6-Shovel, Spring Trip, Round  
Sleeve  
O-18—6-Shovel, Break Pin, Open Sleeve  
O-18X—6-Shovel, Spring Trip, Open Sleeve  
Used on No. 80 Cultivator





## ROCK ISLAND CULTIVATOR GANGS—Continued

**R-12**



R-12—8-Shovel, Break Pin, Round Sleeve

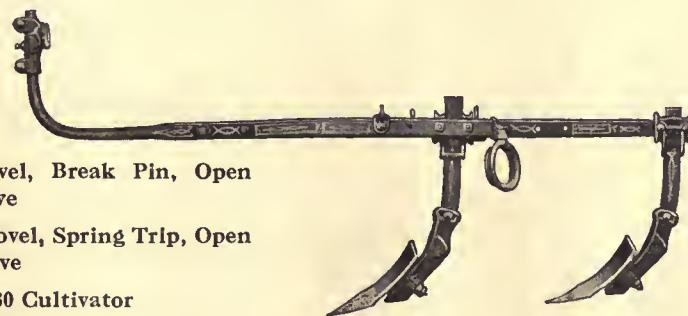
R-12X—8-Shovel, Spring Trip, Round Sleeve

O-12—8-Shovel, Break Pin, Open Sleeve

O-12X—8-Shovel, Spring Trip, Open Sleeve

Used on No. 80 Cultivator

**O-5**  
**(Southern)**

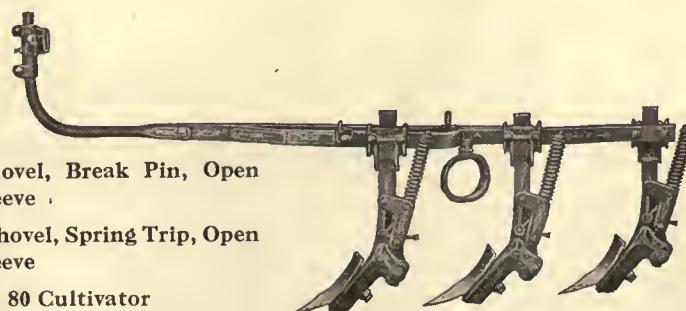


O-5 (Southern)—4-Shovel, Break Pin, Open Sleeve

O-5X (Southern)—4-Shovel, Spring Trip, Open Sleeve

Used on No. 80 Cultivator

**O-18X**  
**(Southern)**



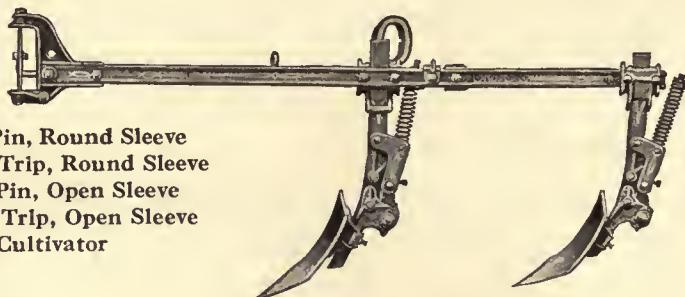
O-18 (Southern)—6-Shovel, Break Pin, Open Sleeve

O-18X (Southern)—6-Shovel, Spring Trip, Open Sleeve

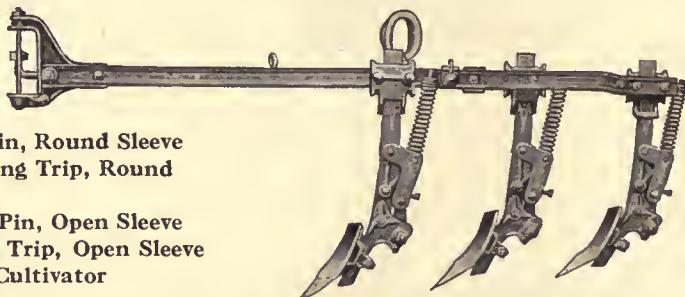
Used on No. 80 Cultivator



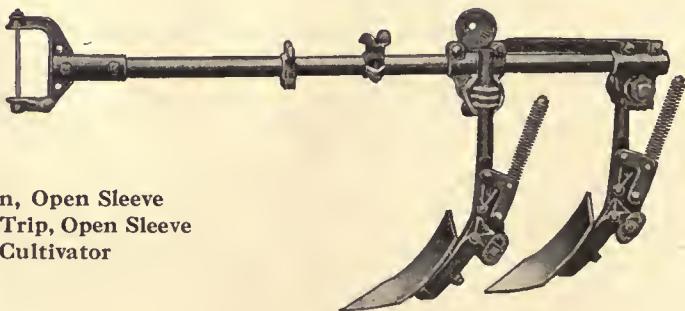
## ROCK ISLAND CULTIVATOR GANGS—Continued

**R-5X**

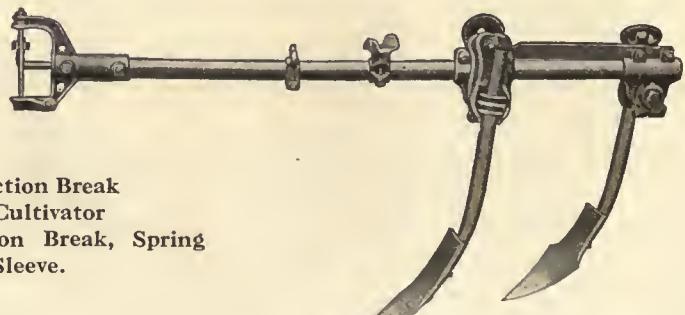
R-5—4-Shovel, Break Pin, Round Sleeve  
R-5X—4-Shovel, Spring Trip, Round Sleeve  
O-5—4-Shovel, Break Pin, Open Sleeve  
O-5X—4-Shovel, Spring Trip, Open Sleeve  
Used on No. 86 Cultivator

**R-18X**

R-18—6-Shovel, Break Pin, Round Sleeve  
R-18X—6-Shovel, Spring Trip, Round Sleeve  
O-18—6-Shovel, Break Pin, Open Sleeve  
O-18X—6-Shovel, Spring Trip, Open Sleeve  
Used on No. 86 Cultivator

**O-25X**

O-25—4-Shovel, Break Pin, Open Sleeve  
O-25X—4-Shovel, Spring Trip, Open Sleeve  
Used on No. 86 Cultivator

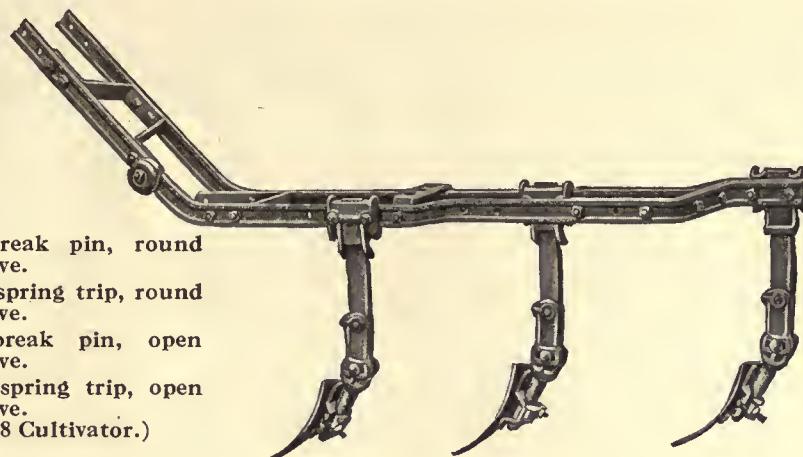
**No. 26**

26—4-Shovel, Friction Break  
Used on No. 86 Cultivator  
O-26X—4 Shovel, Friction Break, Spring  
Trip, Open Sleeve.



## ROCK ISLAND CULTIVATOR GANGS — Continued

R-118



R-118—6-shovel, break pin, round sleeve.

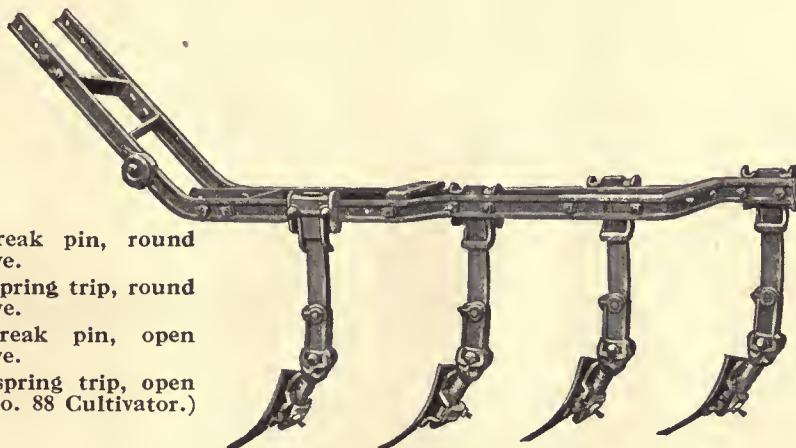
R-118X—6-shovel, spring trip, round sleeve.

O-118—6-shovel, break pin, open sleeve.

O-118X—6-shovel, spring trip, open sleeve.

(Used on No. 88 Cultivator.)

R-112



R-112—8-shovel, break pin, round sleeve.

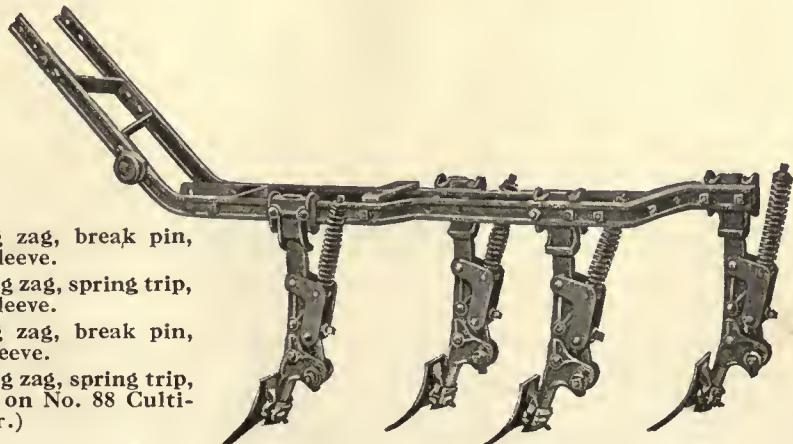
R-112X—8-shovel, spring trip, round sleeve.

O-112—8-shovel, break pin, open sleeve.

O-112X—8-shovel, spring trip, open sleeve.

(Used on No. 88 Cultivator.)

R-119X



R-119—8-shovel, zig zag, break pin, round sleeve.

R-119X—8-shovel, zig zag, spring trip, round sleeve.

O-119—8-shovel, zig zag, break pin, open sleeve.

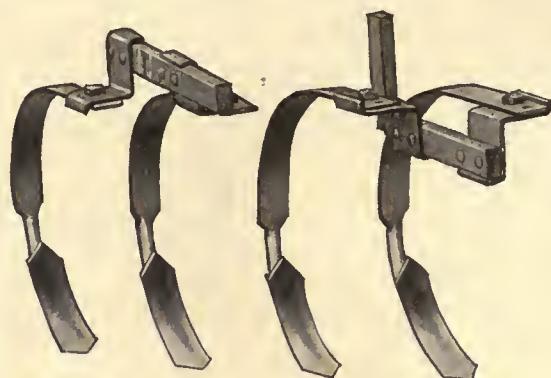
O-119X—8-shovel, zig zag, spring trip, open sleeve.

(Used on No. 88 Cultivator.)



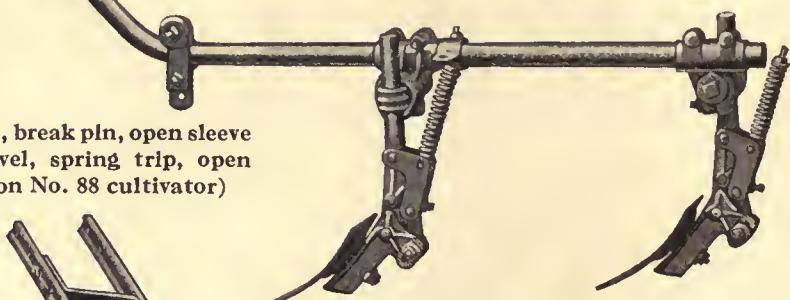
## ROCK ISLAND CULTIVATOR GANGS—Continued

Spring tooth attachment for  
O-224 and O-224X Gangs No. 9  
cultivator and O-24 and O-24X  
gangs No. 66 cultivator



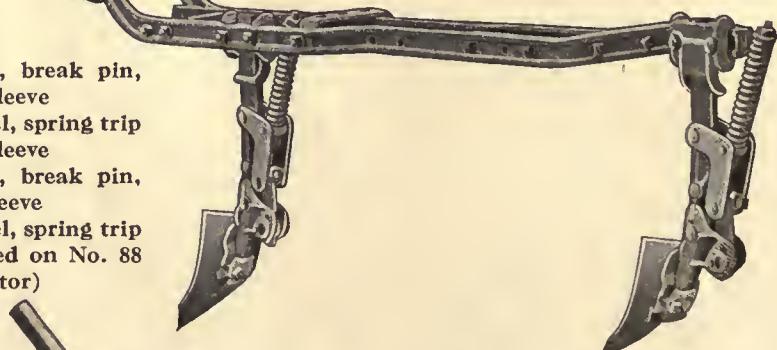
O-125-X

O-125—4 shovel, break pin, open sleeve  
O-125X—4 shovel, spring trip, open  
sleeve (used on No. 88 cultivator)



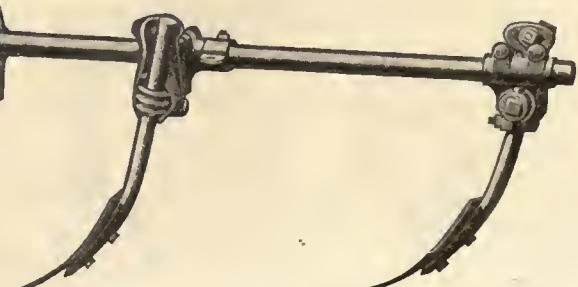
R-105X

R-105—4 shovel, break pin,  
round sleeve  
R-105X—4 shovel, spring trip  
round sleeve  
O-105—4 shovel, break pin,  
open sleeve  
O-105X—4 shovel, spring trip  
open sleeve (used on No. 88  
cultivator)



No. 126

No. 126—4 shovel, friction break  
(used on No. 88 cultivator)

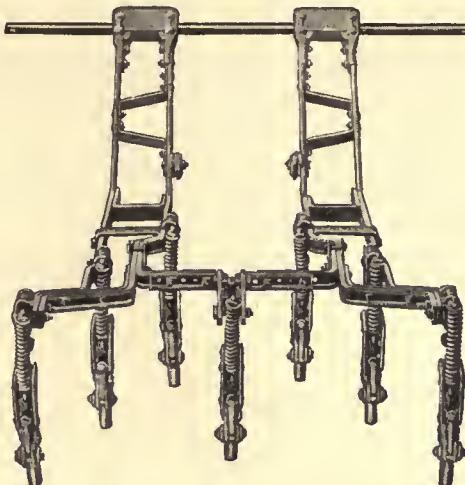




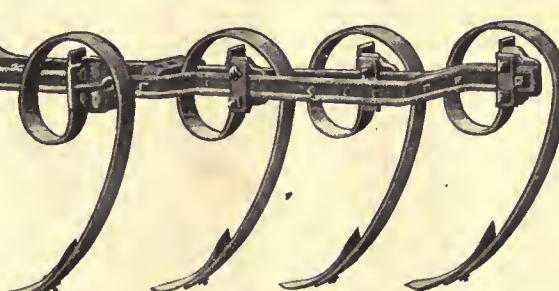
## ROCK ISLAND CULTIVATOR GANGS—Continued

**R118X Gang with  
Center Shovel  
Attachment**

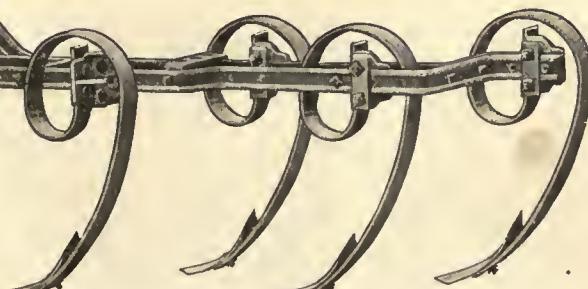
R-118X Gang—4-shovel, spring trip, with center shovel attachment. Can be furnished break pin, or spring trip, round or open sleeve. (Used on No. 88 Cultivator.)

**O-109S  
(Set Diagonal)**

O-109S—8-shovel, spring tooth, open sleeve, set diagonal. [(Used on No. 88 Cultivator.)

**O-109S  
(Set Zig Zag)**

O-109S—8-shovel, spring trip, open sleeve, set zig zag. (Used on No. 88 Cultivator.)





## ROCK ISLAND CULTIVATOR GANGS—Continued

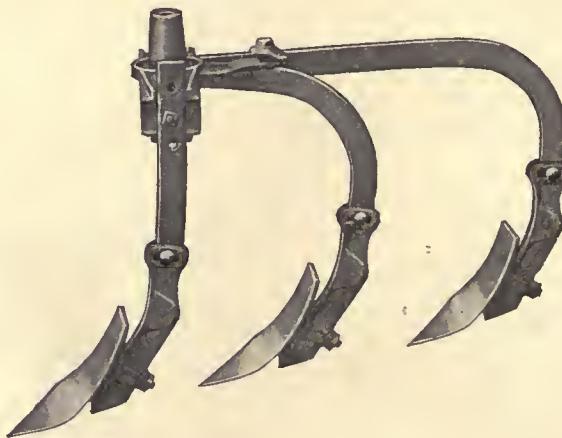
### O-32X

R-32—4-Shovel, Break Pin, Round Sleeve  
R-32X—4-Shovel, Spring Trip, Round Sleeve  
O-32—4-Shovel, Break Pin, Open Sleeve  
O-32X—4-Shovel, Spring Trip, Open Sleeve  
Used on Nos. 100 and 102 Cultivators



### O-310

R-310—6-Shovel, Break Pin,  
Round Sleeve  
R-310X—6-Shovel, Spring Trip,  
Round Sleeve  
O-310—6-Shovel, Break Pin,  
Open Sleeve  
O-310X—6-Shovel, Spring Trip,  
Open Sleeve  
Used on Nos. 100 and 102 Cul-  
tivators



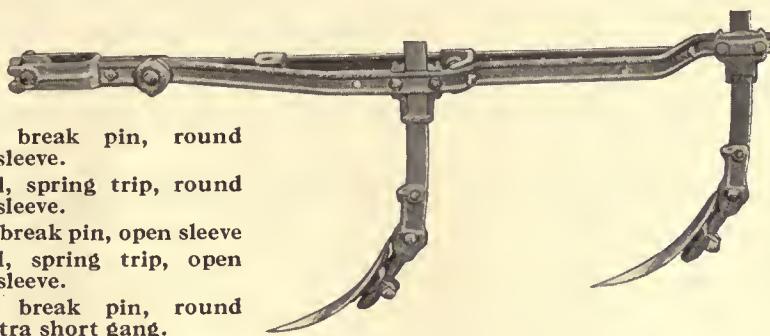
### R-38S

R-38S—8-Shovel, Spring Tooth,  
Round Sleeve  
O-38S—8-Shovel, Spring Tooth,  
Open Sleeve  
Used on Nos. 100 and 102 Cul-  
tivators

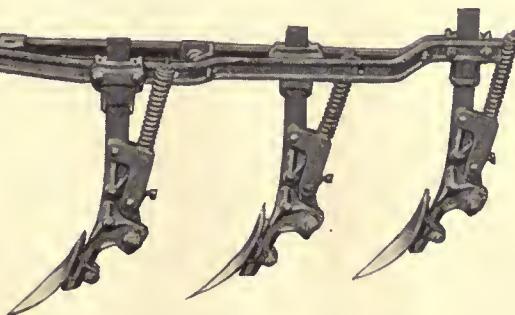




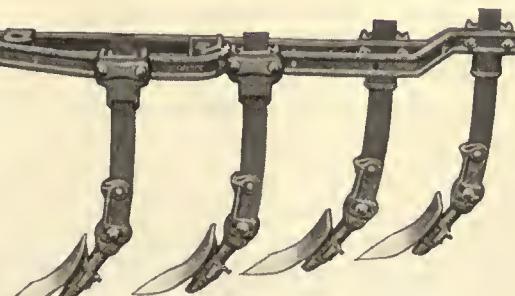
## ROCK ISLAND CULTIVATOR GANGS—Continued

**R-55**

R-55—8-shovel, break pin, round sleeve.  
R-55X—8-shovel, spring trip, round sleeve.  
O-55—8-shovel, break pin, open sleeve  
O-55X—8-shovel, spring trip, open sleeve.  
R-65—8-shovel, break pin, round sleeve, extra short gang.  
R-65X—8-shovel, spring trip, round sleeve, extra short gang.  
O-65—8-shovel, break pin, open sleeve extra short gang.  
O-65X—8-shovel, spring trip, open sleeve, extra short gang.  
(Used on No. 112 Cultivator.)

**R-58X**

R-58—12-shovel, break pin, round sleeve.  
R-58X—12-shovel, spring trip, round sleeve.  
O-58—12-shovel, break pin, open sleeve.  
O-58X—12-shovel, spring trip, open sleeve.  
R-68—12-shovel, break pin, round sleeve, extra short gang.  
R-68X—12-shovel, spring trip, round sleeve, extra short gang.  
O-68—12-shovel, break pin, open sleeve, extra short gang.  
O-68X—12-shovel, spring trip, open sleeve, extra short gang.  
(Used on Nos. 112 and 212-N Cultivators.)

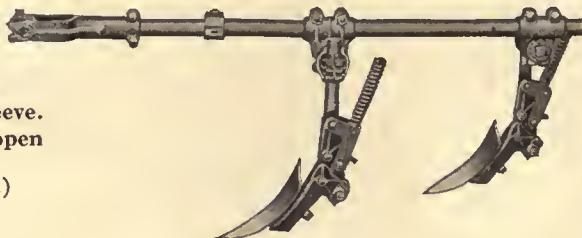
**R-52**

R-52—16-shovel, break pin, round sleeve.  
R-52X—16-shovel, spring trip, round sleeve.  
O-52—16-shovel, break pin, open sleeve.  
O-52X—16-shovel, spring trip, open sleeve.  
(Used on No. 112 Cultivator.)



## ROCK ISLAND CULTIVATOR GANGS—Continued

**O-25X**



O-25—8-shovel, break pin, open sleeve.

O-25X—8-shovel, spring trip, open sleeve.

(Used on No. 212-N Cultivator.)

**No. 26**



No. 26—8-shovel, friction break.

(Used on No. 212-N Cultivator.)

**O-58X**



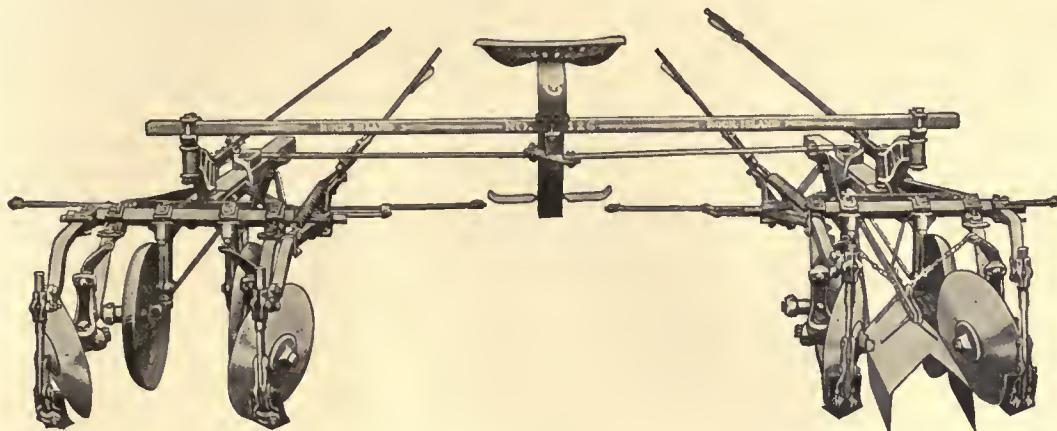
O-58—12-shovel, break pin, open sleeve.

O-58X—12-shovel, spring trip, open sleeve.

(Used on No. 212-N Cultivator.)



## Holds to the Furrow at All Times



### Rock Island No. 126 Two-Row Lister Cultivator

THE Rock Island No. 126 Two-Row Cultivator is a highly profitable implement in listed corn and cotton, as it combines all the features necessary for successful cultivation at minimum cost. It is simple, effective, easy to operate, and has the necessary strength.

#### Steel Construction

The Rock Island No. 126 Lister Cultivator frame is steel and malleable and is carried on pressed steel bell-shaped wheels with convex side towards the ridge. The wheels can be adjusted to work in various width furrows. They can also be adjusted to lead in at the front, holding the machine in the furrow.

#### Four Convenient Levers

There are four levers on the Rock Island No. 126 Cultivator, all located conveniently for the operator, there being one shovel adjusting lever and one raising lever on each side. Double plunger construction on the shovel levers gives fine depth adjustments—twice as fine as on most cultivators.

Both shovels and discs are controlled by the main lever, which also controls the balance of the machine by rocking the frame on the wheels. The hitch is so arranged that the draft of the team holds the discs and shovels to their work. The shovel levers allow the depth of the

shovels to be regulated entirely independent of the discs. The shovels and discs are both adjustable as to width to meet varying conditions.

Dirt cannot roll back and cover the young corn or cotton—long shields made of heavy sheet metal prevent this. When the discs are raised, the shields also are raised.

The frame of the Rock Island No. 126 Cultivator is high and does not interfere with the growing crop. The two sections are connected by a steel pipe.

#### Operator Always in Center

It makes no difference whether cultivating straight or very crooked rows, the operator is always in the center when riding the No. 126 Cultivator. This is made possible by the equalizer. The No. 126 is especially adapted to hill-side work, for the operator, being held central, gives an equal amount of pressure to either side, holding the machine to its work at all times.

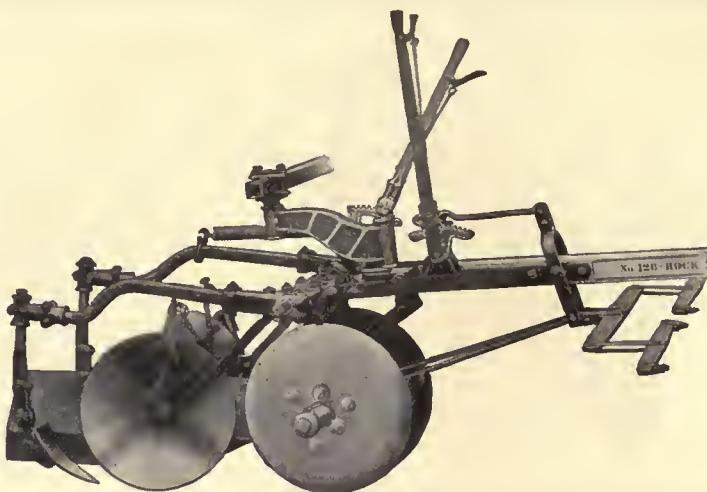
#### Double Acting Discs

By a simple adjustment of this cultivator the discs can be made to throw the dirt in or out at any desired width or angle.

An all-metal dust-proof bearing is used. It is held securely to the disc by means of a square shoulder fitting into the square of the disc and washer, and then cinched up with a heavy bolt.



## ROCK ISLAND No. 126 CULTIVATOR LISTER—Continued



Right Hand Half of No. 126 Cultivator. The Rear Four Shovels Are Regularly Furnished

The bolt is kept tight by a substantial lock nut. The bearing is also equipped with a hard oiler.

### Knife Attachment

A very substantial all-steel knife attachment can be furnished at extra cost. Ample adjustments are provided for taking care of varying conditions. These long knives (either 40 or 48 inches) are set at the proper angle to cut and shed weeds to the best advantage. The knife attachment destroys the weeds from the bottom of furrow to center of ridge, leaving a fine mulch. These knives are particularly valuable in controlling the blue-weed and milk-weed.

The following attachments also can be furnished:

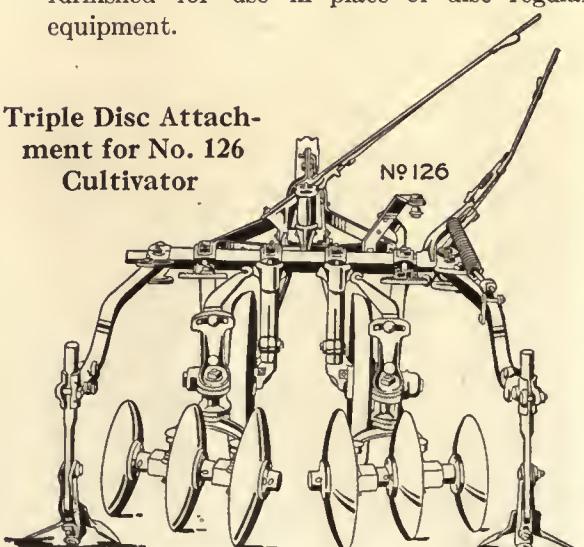
Center yoke attachment to be used with regular shank in connection with knife attachment for cleaning center of furrow.

Eight-shovel attachment consists of four beams and shanks to be used in connection with regular equipment for laying by cotton or corn. Also can be used in connection with knife attachment. Twelve disc gang can be furnished for use in place of disc regular equipment.



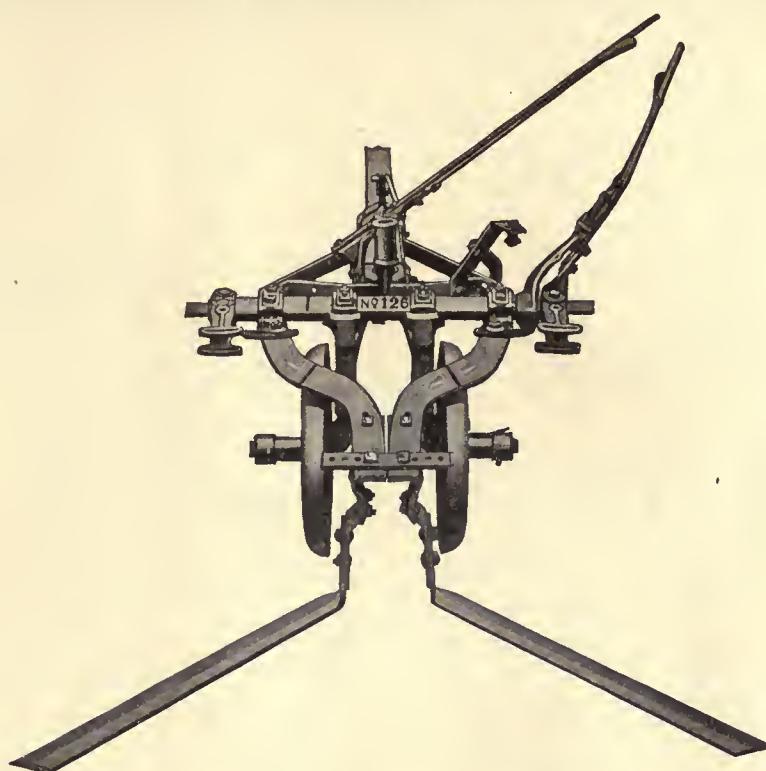
Disc Bearing for Rock Island No. 126 Lister Corn Cultivator

Triple Disc Attachment for No. 126 Cultivator



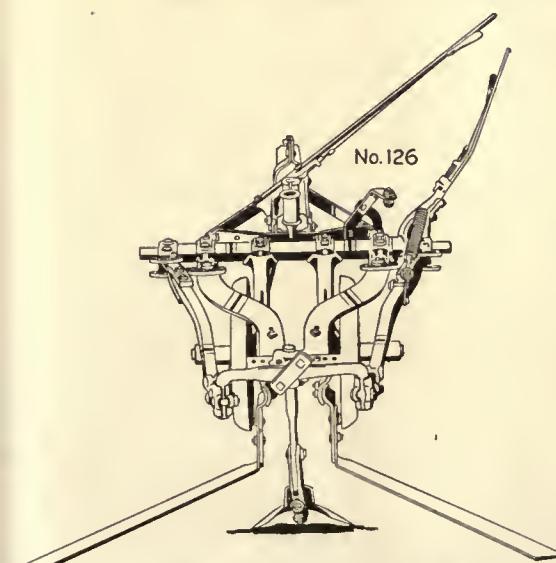


ROCK ISLAND No. 126 LISTER CULTIVATOR—Continued

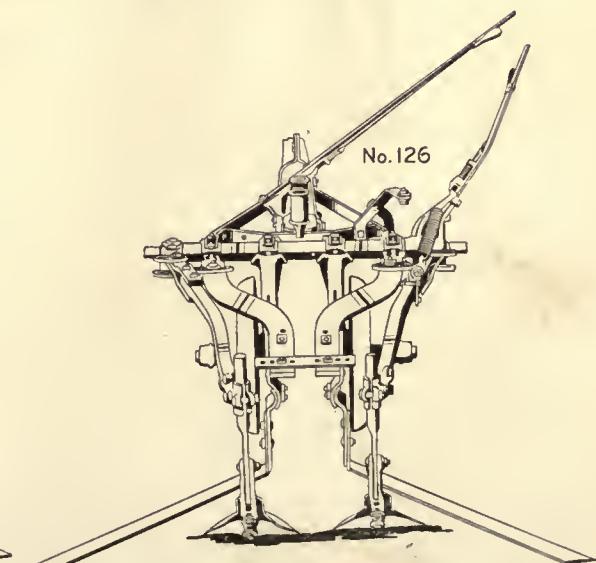


Knife Attachment for Rock Island No. 126 Lister Cultivator

Combinations that can be used with Knife Attachment



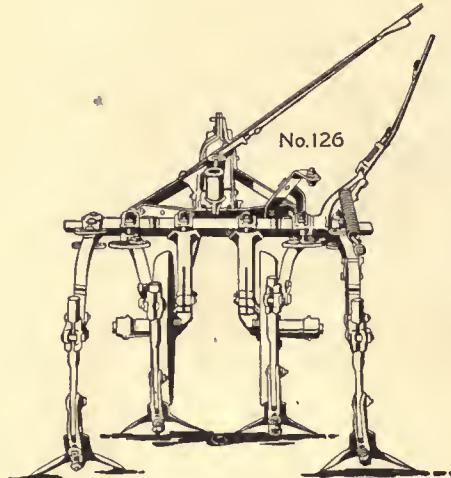
Center Yoke Attachment, to be Used with  
Regular Shank in Connection with Knife  
Attachment for Cleaning Center of Furrow



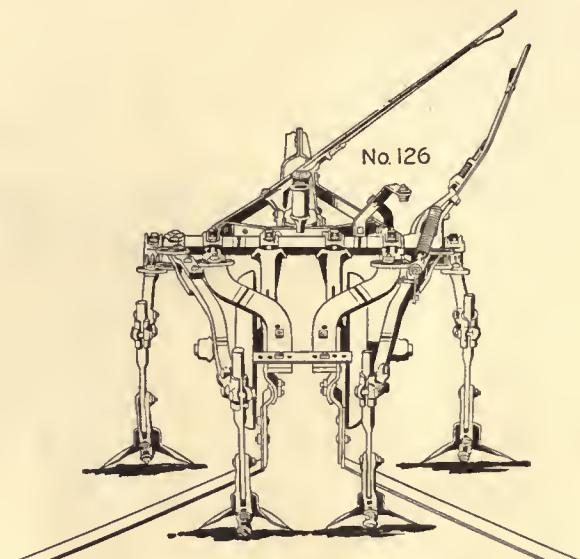
Knife Attachment with Beam Extension for  
First Cultivation



## ROCK ISLAND No. 126 LISTER CULTIVATOR—Continued



Eight-Shovel Attachment for Laying by Cotton or Corn



Eight-Shovel Attachment Used as Ridge Shovel in Connection with Knife Attachment

(NOTE: Eight-Shovel Attachment Consists of Four Beams and Shanks.)

## Combinations that can be used with Eight-Shovel Attachment and Knife Attachment

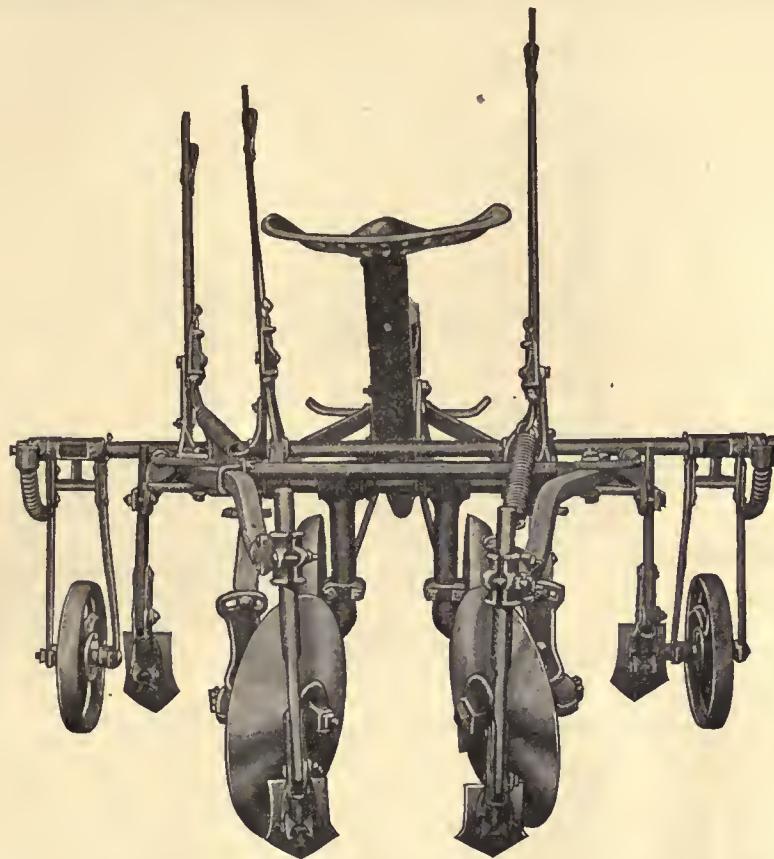
## Specifications

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 126, with 4 Discs, 4 Shovels, Pin Break.....	758	Offered
No. 126, with 4 Discs, 4 Shovels, Spring Trip.....	775	Offereg
No. 126, with 2 pair Triple Discs, 4 Shovels, Pin Break.....	819	Offerelt
No. 126, with 2 pair Triple Discs, 4 Shovels, Spring Trip.....	829	Offeren
Extra Ridge Shovel Attachment (4).....	42	Offer
Pr. 48-in. Knife Attachment, with Knives.....	125	Offereo
Center Shovel Attachment (Pair).....		Offerep
Set of Triple Discs, as an extra.....	96	Offerer
8-Shovel Attachment (4 Shanks and Shovels), Pin Break.....	99	Offereth
8-Shovel Attachment (4 Shanks and Shovels), Spring Trip.....	119	Offerez

(Note:—Specify whether round or open sleeves are wanted.)



## A Good Single Row Lister Corn Cultivator



## Rock Island No. 125 One-Row Lister Corn Cultivator

THE Rock Island No. 125 is a single-row lister corn cultivator.

The illustration gives you a good idea of its appearance. Its frame is triangular in shape and rigidly mounted to the pole. Two square shafts are mounted on the rear of the frame, the larger one carrying the adjustable gang wheels and discs, and the smaller one the shovels.

There are three levers. The right hand gang lever operates both discs and shovels, while the left hand lever operates shovels only. The

other lever adjusts balaneing wheels for any desired height.

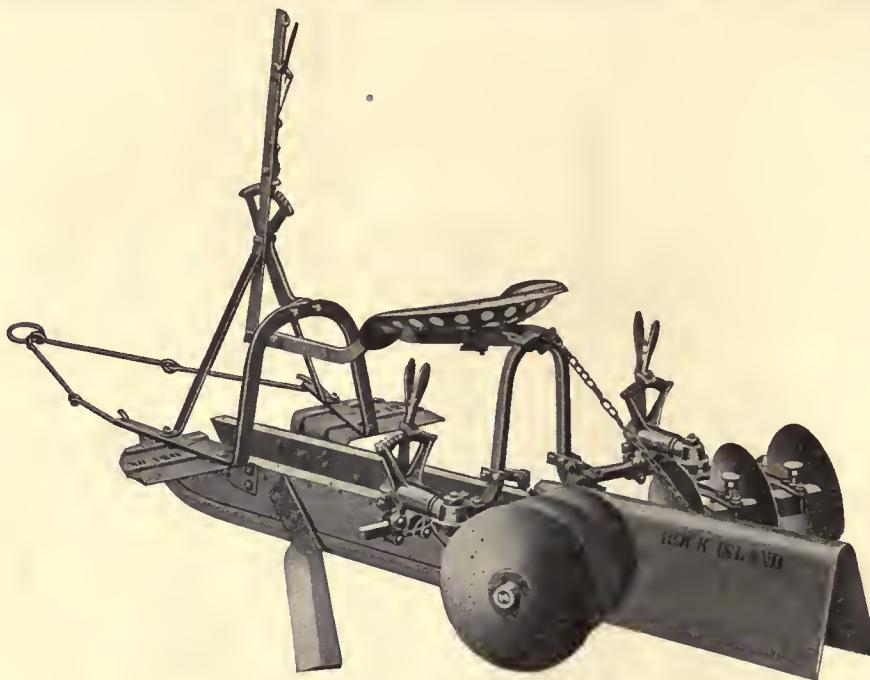
The furrow carrying wheels are made of heavy pressed steel, with renewable boxes, dust-proof caps and adjustable standards. The outer or balancing wheels serve only to keep the cultivator level. Their cushion springs make it impossible for obstructions to interfere with the work of the cultivator.

The adjustment features, disc bearing construction and operating advantages are practically the same as on the No. 126 Two-Row, described on the preceding pages.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 125 with 2 Discs, 2 Shovels. . . . .	419	Cor
Extra Ridge Shovel Attachment (2) . . . . .	21	Cot



## Extra Long Runner Holds the Furrow



### Rock Island No. 129 Sled Cultivator

THE Rock Island No. 129 Sled Cultivator does good work in an easy way. It is readily adjustable for a wide range of work.

Penetration is assured at all times, for when the discs are lowered, the weight of the operator is thrown on the discs. When the discs are raised, the weight of the operator is thrown forward.

#### Runners Steel Protected—Full Length

The wood runners are extra long and have angle steel in place of flat steel strap shoes. The outer sides are protected with a sheet-iron shield the full length.

The all-steel deck plates are arranged to give ample adjustment for width between the run-

ners. These deck plates also serve as clod crushers. The rear end of the runners also has ample adjustment for width.

The steel discs used on the Rock Island No. 129 are graduated in diameter from 10 to 12 inches. Disc gangs can be arranged to throw the earth either to or from the crop. Each gang is also provided with a lever by which the angle of one may be changed without affecting the other. The disc gangs are adjustable in width.

An extra long V-shaped steel shield prevents dirt from rolling in on the crop.

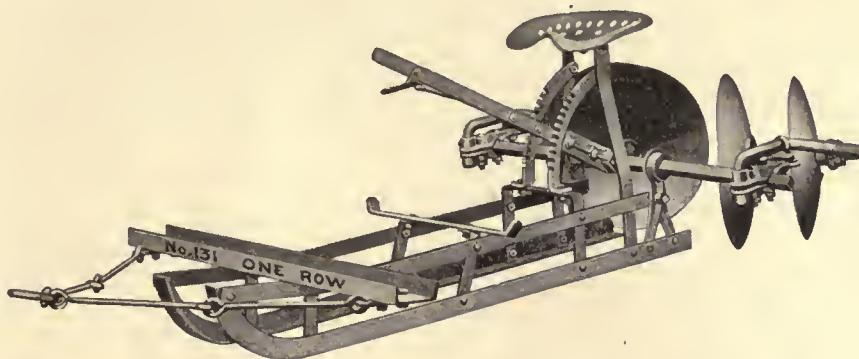
The knife levelers are especially adapted to leveling, pulverizing the ground and cutting weeds.

#### No. 129 Single Row Lister Cotton and Corn Sled Cultivator

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 129 Disc with Steel Wing Boards . . . . .	172	Cadenza
Knife Attachment—34-inch . . . . .	17	Cadenzor
Knife Attachment—40-inch . . . . .	22	Cadenzoz



## Rock Island All Steel Ridge Bursters



### Rock Island No. 131, One-Row Ridge Burster

THE Rock Island Ridge Burster is built especially for bursting and leveling ridges in the listed fields. It is really a follow-up tool for any wheat land lister. The No. 131 is one-row; No. 132, two-row.

This ridge burster does its work in a clean, effective manner, breaking and leveling the ridges and cultivating thoroughly, leaving the ground ready for seed-bed preparation or planting. This method of preparing the seed-bed destroys to a large extent, the Hessian fly, and prevents damage usually done by this pest.

#### An Exclusively All-Steel Construction

The Rock Island Ridge Burster is an all-steel implement, no wood being used for runners or cross ties. It is the only burster of this type on the market made entirely of steel. That is one reason why it will give years of service.

The runners are of heavy angle steel and are narrower at the front than the rear. This construction holds the machine to the furrow. There is no tendency for Rock Island Ridge Bursters to crowd out of the furrow, for the tapered runners are constantly leading the machine into the furrow.

The front clod crusher channel is also of steel.

#### Interchangeable Discs

Each set of gangs is mounted on  $1\frac{1}{4}$ -inch square high carbon steel rock shafts. Each pair of discs, consisting of one 18-inch and one 20-inch disc, is mounted on dust-proof boxings, oiled by screw cap hard oilers.

The discs on each pair of gangs are interchangeable, so that the small disc can be placed on the inside and large disc on the outside, or vice versa, to meet the requirements. Each pair of discs is mounted on  $1\frac{1}{4}$ -inch round high carbon steel disc arms.

#### Disc Adjustment

The angle of the discs is easily set by adjusting one bolt—the desired angle can be given the discs. Each pair of discs mounted on the square steel rocker shaft can be quickly adjusted in or out on the shaft to the desired width. For extreme conditions the disc arms can be reversed so that the discs set below the disc shaft and cultivate deeper.

#### Levers

On the No. 132 (two-row) there are two levers—one controlling the outside gangs, the other the inside gangs. On the No. 131 (one-row) there is only one lever, which operates the



## ROCK ISLAND ALL STEEL RIDGE BURSTERS—Continued

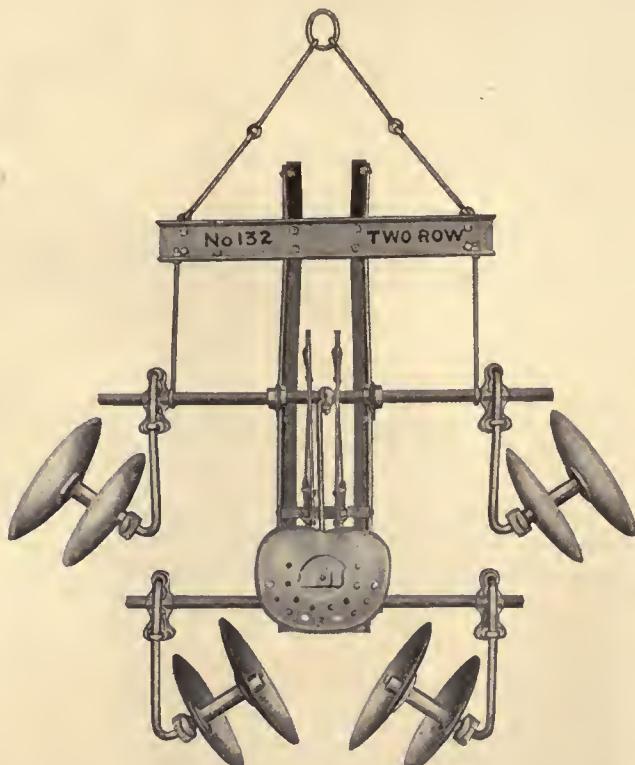
gangs. The levers on both machines are within easy reach of the operator.

The lever mechanism is so constructed that practically all of the weight of the machine, as well as of the operator, is thrown on the discs when they are in the ground, assuring penetration in hard ground. Therefore this machine is as light draft as a wheel machine and does not have the disadvantage of wheels leading it out of furrow.

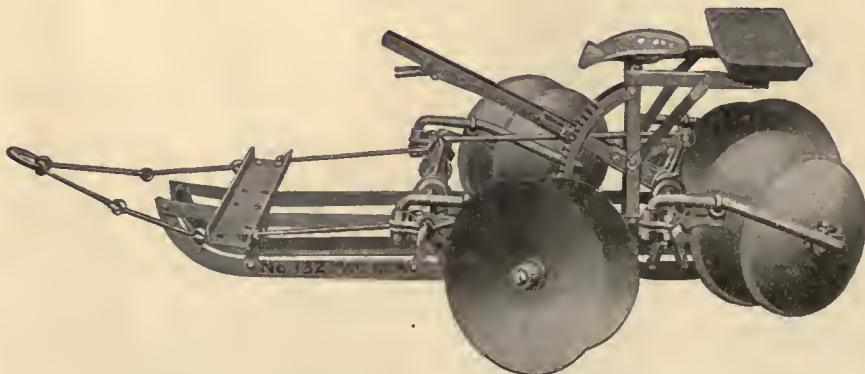
When discs are raised by the levers they have ample clearance for turning at the ends.

## Safety Weight Box

The safety weight box attachment can be had as an extra for either the one- or two-row machines. This attachment enables you to add weight to the burster when working extremely hard ground and also forms a protection to the operator from the discs.



Top View No. 132, Two-Row



No. 132, Two-Row Equipped with Safety Weight Box Attachment

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 131 Ridge Burster, Single Row . . . . .	316	Cod
No. 132 Ridge Burster, Double Row . . . . .	484	Coda
Weight box, extra.		

# Rock Island

## COMBINED RAKE AND TEDDER

The Rake with the  
Divided Cylinder

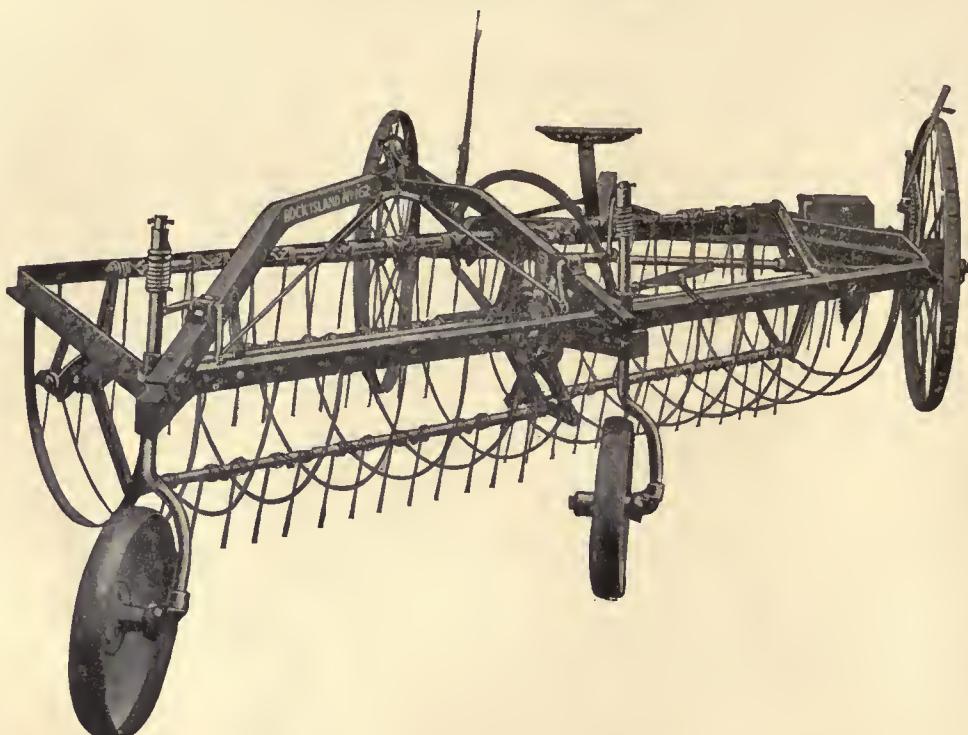
Exclusive Adjustable  
Cylinder Device

Instant Change from  
Raking to Tedding or  
Back to Raking





## The Original Left-Hand Side-Delivery Rake With Divided Cylinder



### Rock Island No. 162 Combined Rake and Tedder

THE Rock Island No. 162 is the only left-hand rake on the market equipped with a divided cylinder. The advantages of a cylinder of this type are many. For instance, when either raking or tedding the machine runs lighter and steadier, because it has six short tooth bars, giving six points of contact with the ground where the ordinary combined rake of this type has only three long tooth bars. This six-point contact gives a steady pick-up of the hay—avoids shattering the leaves and results in smoother operation. It also prevents roping the hay, as each mower swath is handled individually. Still another advantage of the divided cylinder is the added support given the cylinder shaft.

#### Easier Work—Better Hay

Builders of Rock Island Cylinder Rakes were the first to recognize the advantage of left-hand

raking, and, as a result, these machines are the original in this type of construction. A left-hand rake permits raking in the same direction the mower has traveled, allowing the butts to remain in the same relative position as originally left by the mower. This not only makes cleaner and easier raking and loading, but also prevents shattering the hay and places it in windrows in such a manner that it cures to better advantage.

#### Exclusive Adjustable Cylinder Device

The provision made for raising and lowering the cylinder is another exclusive feature of the No. 162 rake. The wheel is so mounted on the frame that there is absolutely no strain on the axle outside of the driving strain. A convenient lever is provided to raise and lower the cylinder to the necessary height.



## ROCK ISLAND No. 162 COMBINED RAKE AND TEDDER—Continued

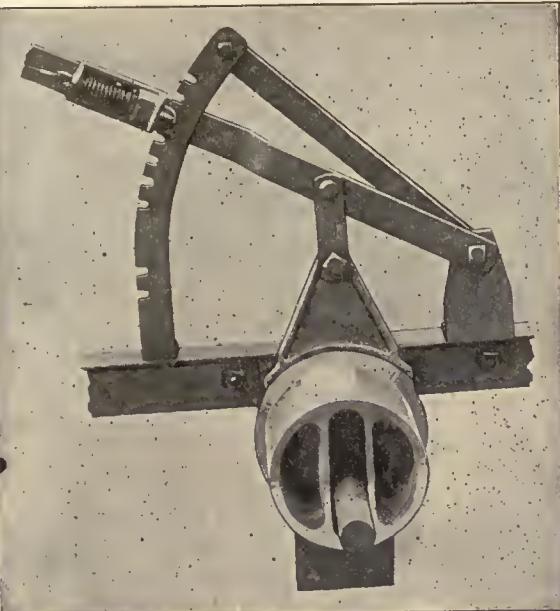


Fig. 1. Shows the Simple Construction of the Exclusive Adjustable Cylinder Device

### A Time and Labor Saver

A combination tedder and rake is both a time and labor saver. The Rock Island No. 162 can be adjusted in an instant for either tedding or raking. If the hay is dry on top but damp underneath, it can be used as a tedder to turn it over—then, in an instant, changed for raking to finish the job, ready for the loader.

There are two gears on the main axle, which are at all times in mesh with the pinion that drives the cylinder.

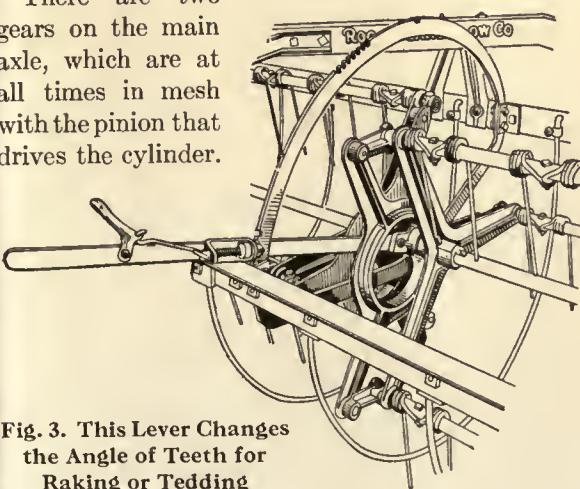


Fig. 3. This Lever Changes the Angle of Teeth for Raking or Tedding

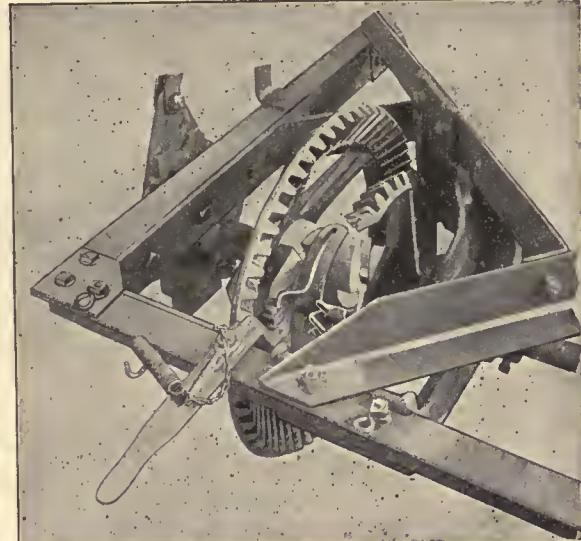


Fig. 2. A Simple, Effective Gear Mechanism

The clutch keyed to the axle is engaged with either gear by means of a lever. When this clutch is engaged with the large gear the machine is set for tedding; when engaged with the small gear it is set for raking. The lever is in a central or neutral position when the clutch is not engaged with either gear.

### Self-Aligning Bearings

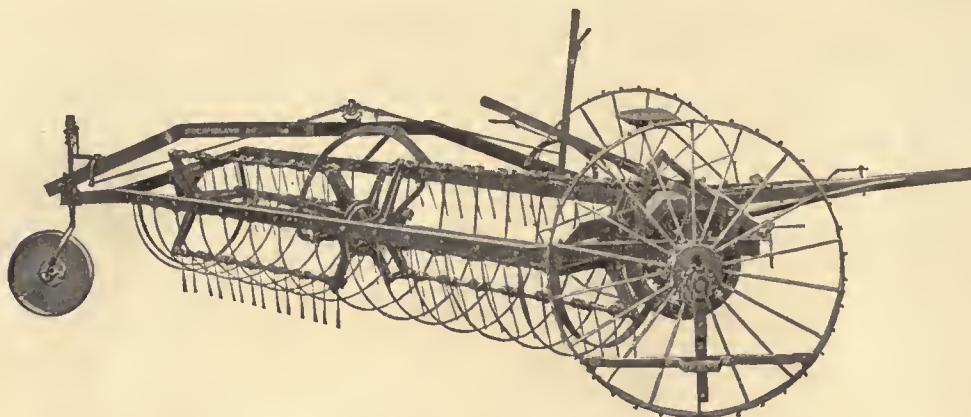
The Rock Island No. 162 Combined Rake is built for long and faithful service. It has an unusually strong frame, and bearings for both axle and cylinder shaft are self-aligning. This is very important, for the reason that the width of the machine causes no binding either in the axle or shaft. The bearings are always free. The draft is thereby greatly reduced.

### Lever Sets Position of Teeth

Everything about the Rock Island No. 162 is simple to operate. For instance, to change the angle of the teeth, move a lever in the center of the divided cylinder. Placing the lever in either of the three lower notches angles the teeth for raking (see Fig. 3); placing the lever in either of the upper notches, except the last one, sets the teeth for tedding. The lever in the last notch raises teeth clear of the ground for transporting.



## ROCK ISLAND No. 162 COMBINED RAKE AND TEDDER—Continued



No. 162 Combined Rake and Tedder with One Rear Caster Wheel

Both the large wheels are drive wheels and are connected on the axle by ratchets, giving double drive on the ground. This means steadier and stronger power than the single drive, and overcomes all twist and strain. The rakes never drag, even when turning corners. The outer wheel drives the rakes when the inner wheel is stationary. Hard oilers are placed in convenient positions.

The Rock Island No. 162 Combined Tedder and Rake is regularly equipped with one rear castor wheel, but a second one is furnished as an extra when so specified. The extra castor wheel is especially valuable on rough ground.

When two castor wheels are used there is an equalizer between them, so that, if one castor wheel goes over an obstruction or into a hole, they equalize and have an equal amount of weight on both wheels. The left-hand castor wheel runs in line with the front wheel. These wheels are positioned so that they make an extremely easy turning rake. They are placed back far enough so you can turn completely around or back up without interfering in any way with the teeth. This allows exceptional freedom in handling the rake, and prevents

bunching of hay on rear wheels while tedding

Both rear castor wheels are the "pan" or solid wheel type, important for the reason that they prevent the hay from winding in the wheels when tedding.

The castor wheels used on this rake have a spring cushion which relieves jar on the frame.

The rear end of the frame may be adjusted to any height desired by means of a lever at the left of the driver's seat. Whether one or two rear wheels are used, they are controlled by this same lever.

#### Adjustable Hitch

The hitch can be adjusted to overcome any side draft. The seat is located at the rear of the tongue, which relieves all neck weight on the horses.

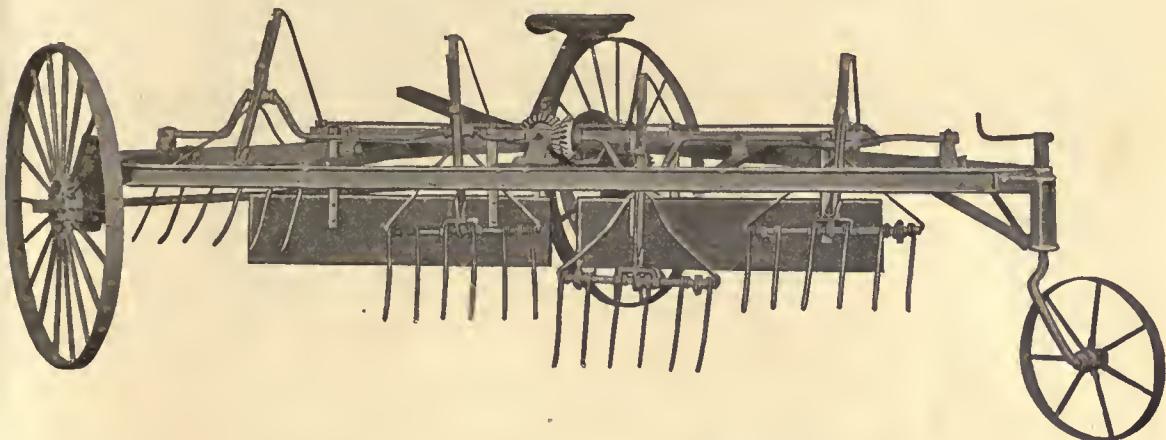
#### Rock Island No. 162½ Bean Rake

The Rock Island No. 162½ is the same general construction as the No. 162, but is designed to handle beans in a most satisfactory manner, throwing the beans in windrows without horses or wheels coming in contact with the windrows.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 162 Steel Cylinder Combined Rake and Tedder.....	1030	Hay
No. 162½ Steel Cylinder Combined Rake and Tedder (special for beans).....	1015	Haywood
Extra—Rear Caster Wheel .....		



## Side-Delivery—All Steel—One-Piece Frame Combination Tedder and Rake



### Rock Island No. 165 Steel Tedder-Rake

THE Rock Island No. 165 Tedder-Rake is two implements in one. It can be used either for tedding or for side-delivery raking.

#### Rakes Light or Heavy Hay

Rock Island rakes are made with particular care to withstand usage in the lightest or the heaviest hay. Exceptional clearance between the wheel and fork where the hay is discharged. The spring teeth will give on striking obstructions, preventing excessive breakage. This spring construction also enables you to rake without gathering undertrash.

The forks have a spring tension which may be changed to meet the conditions of either light or heavy hay. This change is easily and quickly made. The forks can be adjusted for high or low raking—the No. 165 gathers all the hay, but not the trash. Clean hay can be gathered with this rake the first year after the field has been manured.

#### Easily Converted from Tedder to Rake or Vice Versa

The No. 165 is readily converted into a tedder. All that is necessary is to reverse the crank shaft from one end to the other. This changes

the movement of the rake arm from a forward to a rearward stroke, and at the same time increases the speed of the rake arm one-quarter faster than when used as a rake.

#### Positive Drive—Double Traction

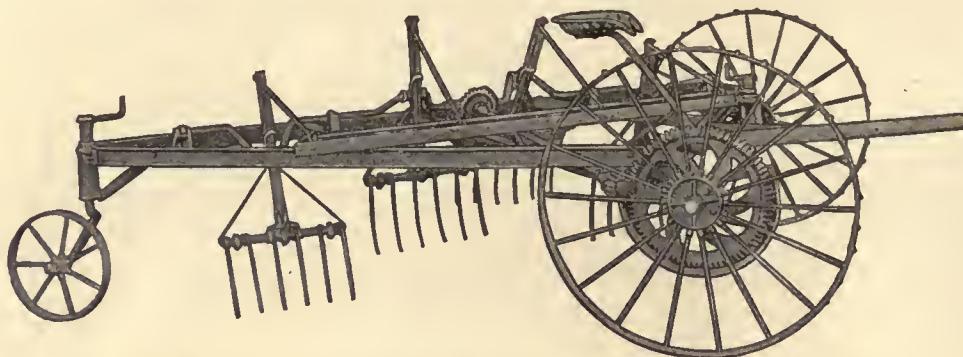
The driving mechanism is exceedingly simple and very durable. The shaft drive together with the extra large wheels, makes a positive drive.

The large gear wheels and pinions are most reliable and durable. They make light draft even in the heaviest of hay. There are no chains to break and cause trouble by their slipping, becoming loose and breaking under heavy loads.

The two drive wheels are connected on the axle by ratchets, giving double traction on the ground. A double drive means steadier power. It overcomes the tendency to twist, and it is more powerful than where the rakes are driven from only one wheel. There is less danger of slipping in damp and soggy fields. In rounding corners the machine will rake, no matter which way the turn is made, so all the hay is gathered and not bunched or strung out.



## ROCK ISLAND No. 165 STEEL TEDDER-RAKE—Continued



Right-hand Side of Rake, Showing the Large Durable Drive Gear Wheel

### Spring Cushioned Caster Wheels

The caster wheel has a spring cushion, which relieves all jar on the frame. This adds to the life of the rake and also the ease of operation.

The jack-screw adjustment, on both the left hand wheel and the caster wheel, permits the rake to be raised or lowered, as required for the conditions of the field and hay.

This raising and lowering is easy to accomplish—it requires but a few seconds time, and can be done in the field from time to time, to suit the varying conditions.

An extra caster wheel that is easily and quickly attached can be furnished when so desired, at a slight additional cost. Two caster wheels makes the rake run steadier under all conditions and are recommended.

The hitch can be shifted on the front frame as desired, and in this way overcomes all side draft.

The seat is located at the back end of tongue, which relieves all weight on the horses' necks.

### Rigid One-Piece Frame

The main frame is made of one continuous piece of three-inch channel steel, the strongest steel for the purpose. With the one-piece frame there is no necessity of bolting or riveting small pieces. There is nothing to shake loose or fall to pieces.

Another point you will note is the fact that the frame is braced in such a manner as to overcome all possibility of sagging. The frame simply cannot sag.

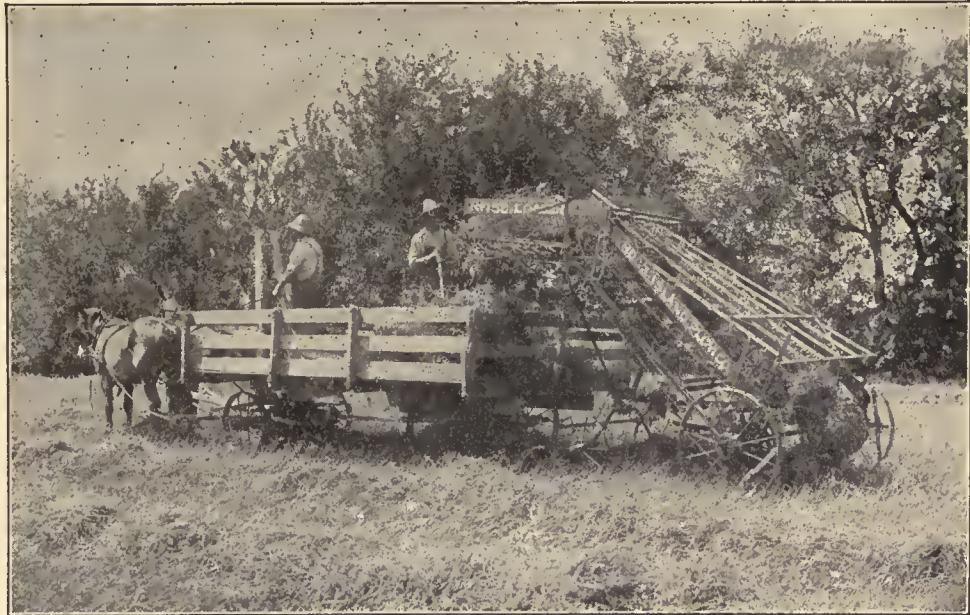
### Specifications

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
Rock Island No. 165 Steel Tedder Rake . . . . .	780	Haying
Extra Caster Wheel . . . . .	52	Hayland



## The Working Partner for Any Side-Delivery Rake

Starting  
the  
Load



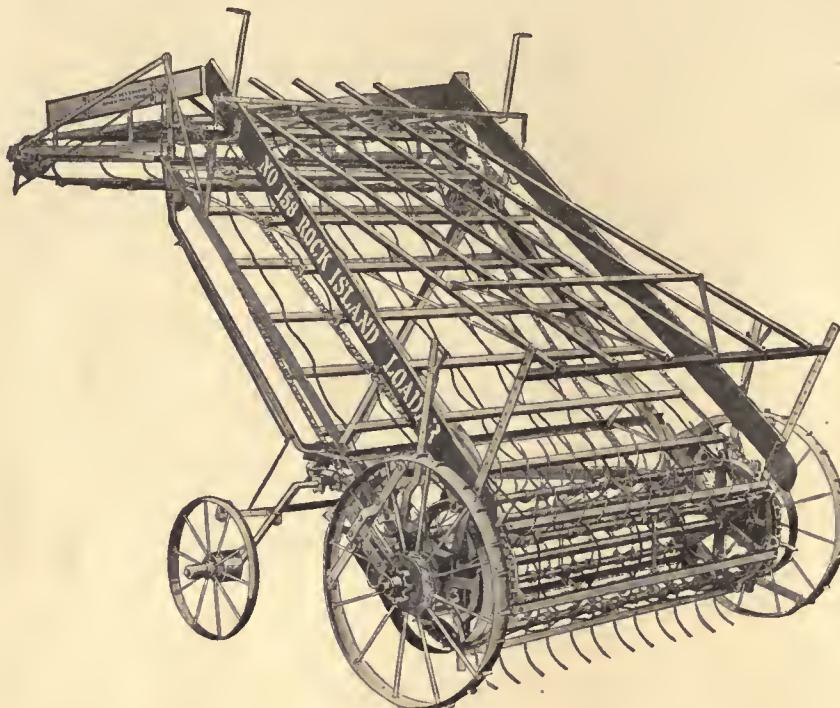
Rock Island  
No. 158 Windrow Hay Loader with Adjustable  
Cylinder and Jointed Elevator

Building  
the  
Load

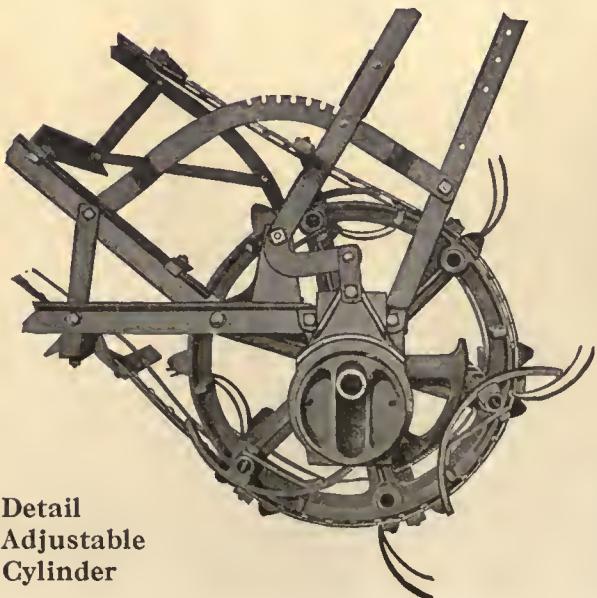




## The Windrow Loader with Jointed Elevator and Adjustable Cylinder



### Rock Island No. 158 Windrow Loader



Detail  
Adjustable  
Cylinder

The Rock Island No. 158 Windrow Loader has improved construction which puts it in a class by itself. The factory making this loader made the first successful hay loader over forty years ago, and since then has been continually improving the design and construction.

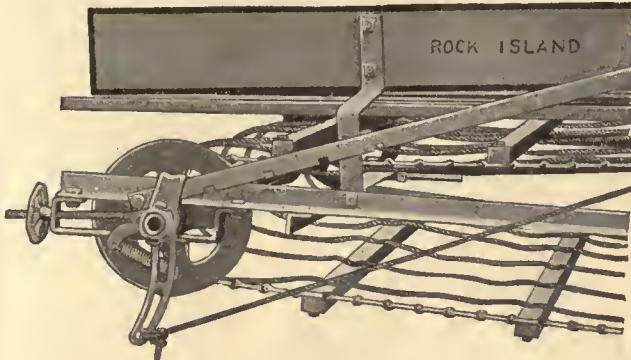
The No. 158 has two Rock Island features that deserve your particular attention—the *exclusive* adjustable cylinder and the original jointed elevator.

### Adjustable Cylinder Gets the Clean Hay

By means of the two easily operated levers, the cylinder can be set at the right distance from the ground to sweep the ground clean or to operate at any reasonable height above the ground. Whether you are loading hay that lays



## ROCK ISLAND No. 158 WINDROW HAY LOADER—Continued



**Jointed Elevator, Rock Island No. 158 Loader**

close to the ground or the more fluffy alfalfa or clover, the cylinder can be adjusted to get it. In trashy ground the cylinder can be set low enough to pick up the hay and yet high enough to escape trash.

### **Roller Bearing Cylinder— A Light Draft Loader**

The main bearings of the cylinder in the Rock Island No. 158 Loader are roller bearings—that's one reason why it is such a light draft loader.

The center support of the cylinder gives additional strength where it is needed the most. It also supports the web slat, so that the pressure of the hay does not cause it to sag and break.

### **High Throat Capacity**

The Rock Island No. 158 has a high throat capacity, which is adjustable to suit both the quantity and the condition of the hay to be elevated.

Steel shields at base of elevator cause the hay to be fed onto the elevator, with no chance of its catching in the corners and winding.

### **Extra Strong Frame**

The frame of the Rock Island No. 158 Loader is made of extra strength angle steel and is strongly braced throughout.

**Notice Simple Locking  
Device for Upper  
Elevator—  
Five notches provide  
five different positions  
for upper elevators**

Elevator is supported by a U-shaped one-piece angle brace, which is fastened securely on the reach in such a manner that the elevator cannot sag at the corners, but always sets up square to the work.

### **Jointed Elevator—Makes Loading Easy**

The Rock Island No. 158 Windrow Loader not only picks up the hay positively, but also gently. It loads alfalfa, clover, peas and beans without shattering them, and it makes loading an easy job for the man on the rack.

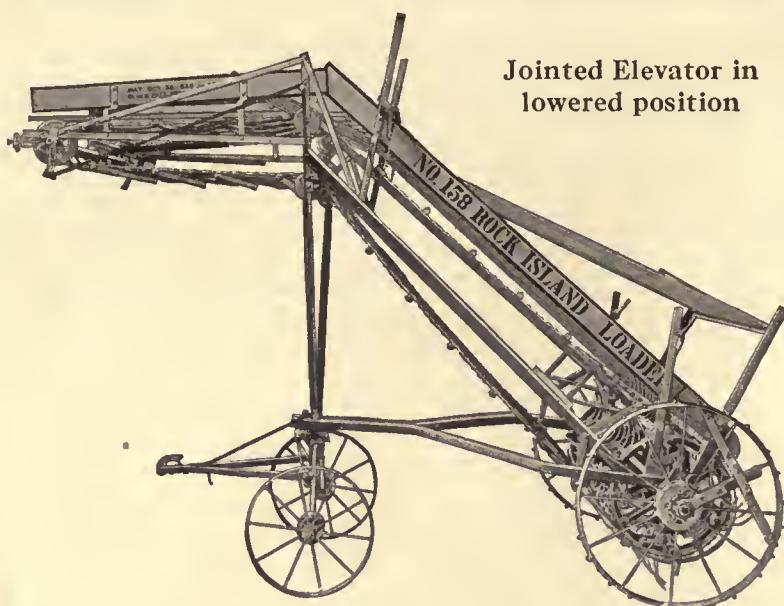
The elevator is jointed. The upper part of the elevator can be lowered simply by pulling a rope from the ground or by hand from the rack for starting the load, or more particularly for use in windy weather, delivering the hay close to and forward on the rack. This jointed elevator then can be pushed up and locks automatically as the load is being built. There are no complicated levers or cranks to operate in doing this.

### **Adjustable Compression Slats and Side Boards**

There are two independent sets of compression slats. The upper set conforms to the jointed section of the elevator whether in raised or lowered position. The side boards are



## ROCK ISLAND No. 158 WINDROW LOADER—Continued

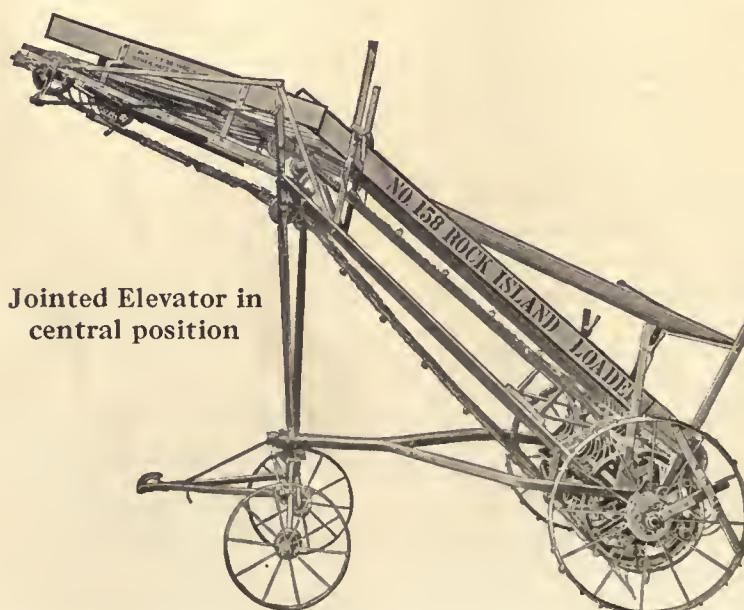


hinged so that the hay is delivered onto the rack positively regardless of wind conditions. This independent system of compression slats is a *patented* Rock Island feature. The web is always the same tension whether elevator is up or down. This relieves wear and tear on elevator chain. Quick adjustment is provided at

top of elevator for tightening or loosening the web. This adjustment is made without interfering with the raising or lowering of elevator.

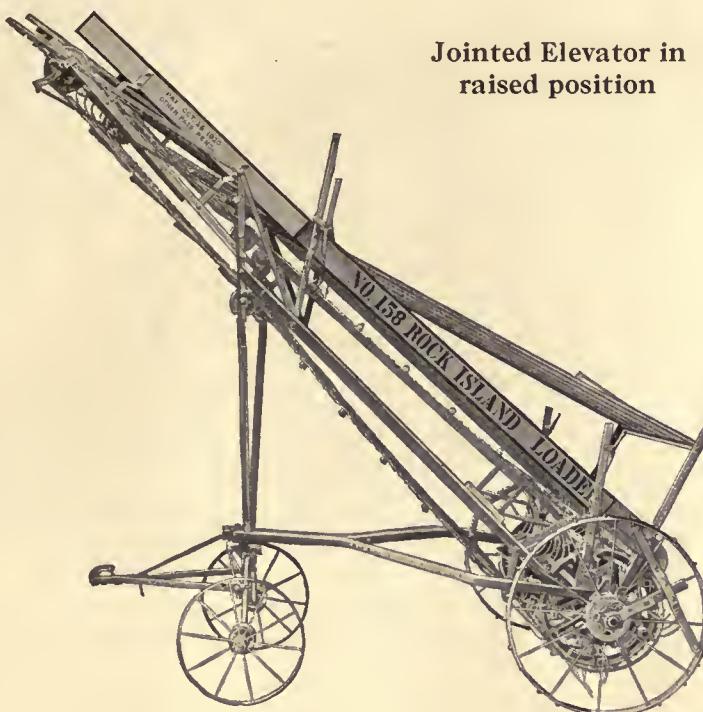
**Both Wheels Are Drive Wheels**

Both wheels of the Rock Island No. 158 Loader are drive wheels and are equipped with





## ROCK ISLAND No. 158 WINDROW LOADER—Continued



Side View of Rock Island No. 158 Windrow Loader

Jointed Elevator in  
raised position

ratchets that operate independently of each other, thus insuring a positive drive at all times.

The wheels are 36 inches high, with 3-inch tires and twelve spokes.

Steel cams, which are always in the proper position, control the action of the teeth.

### High Truck with Wide Clearance

The truck has unusually high and wide clearance, and straddles big windrows. The wheels are equipped with shields which prevent hay from winding around the hubs.

### Two Hitches

Two hitches are furnished which can be attached either to cross sill of hay rack or wagon reach.

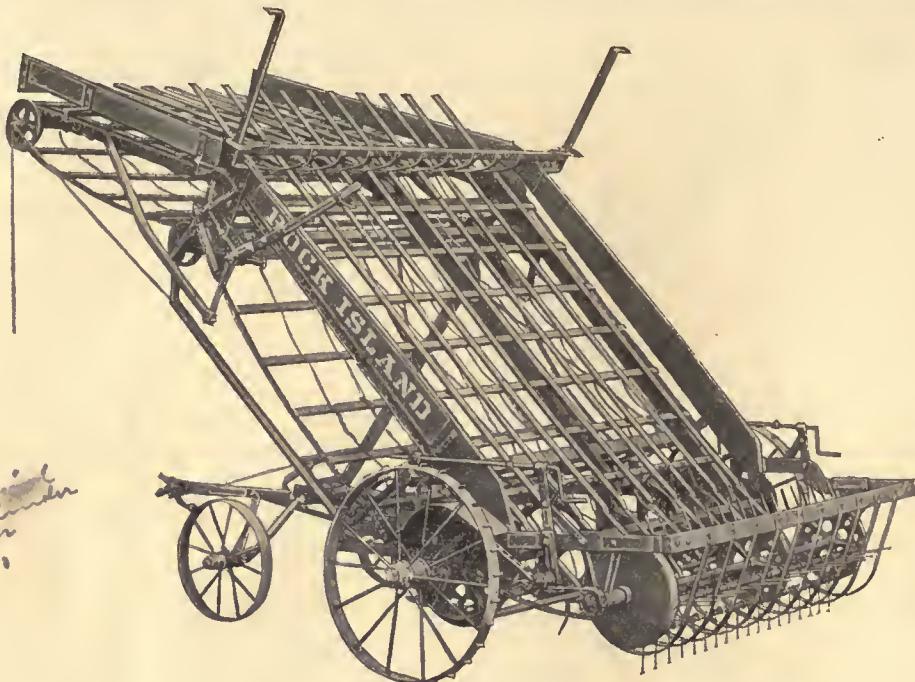
A boy can hitch the Rock Island No. 158 Windrow Loader to rack, as there is no heavy weight to lift. Also, it stays hitched as long as you want it to. There is none of this coming unhitched going down hills.

Lock washers are used throughout, so you will have no trouble with nuts coming loose.

Description	Shipping Weight Pounds	Telegraph Code
No. 158—6-foot Cylinder Loader .....	935	Hayfed



## Combination Swath and Windrow Hay Loader



### Rock Island No. 155 Hay Loader with Jointed Elevator

THE jointed elevator construction of the Rock Island No. 155 Hay Loader makes it possible to deliver any size load onto the wagon without the wind blowing the hay all over the field, or the return elevator carrying the hay off the load. It carries the hay well over the wagon, depositing it in the center of the load. The elevator can be lowered to start the load and raised as the load is being built.

#### Combination Swath and Windrow Loader

Although the Rock Island No. 155 is built primarily for a windrow loader, it can go into a swath and rake it clean.

The hay is rolled gently onto the elevator,

which carries it up without disturbing it in any way. For loading clover and alfalfa, where practically all the food value is in the leaves, the No. 155 is very desirable because of its handling the hay so gently.

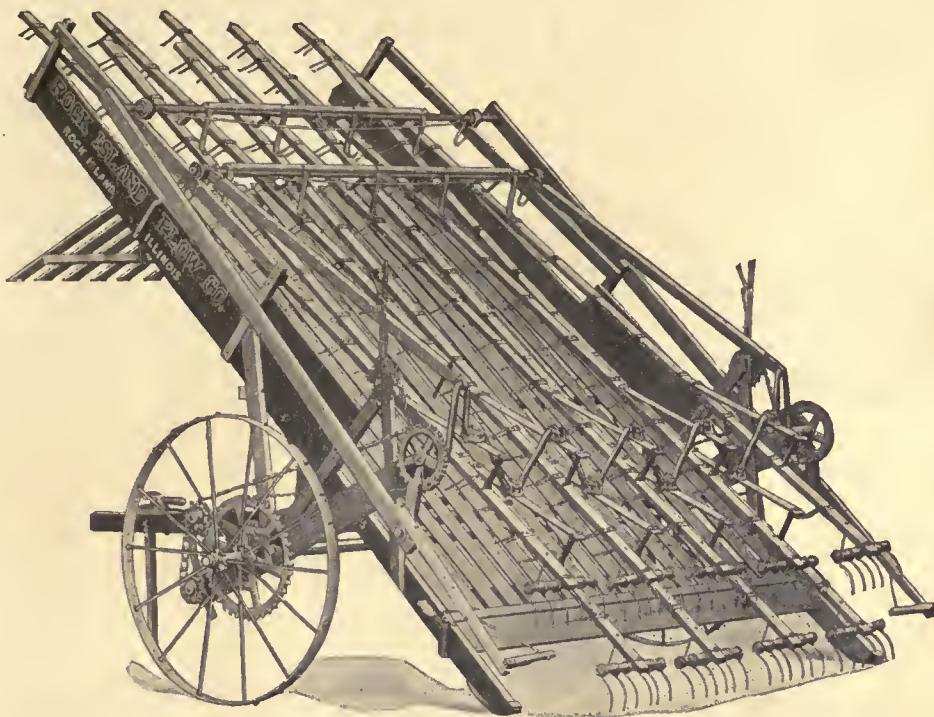
The frame is rigid and durable. Because of its strong, upright, triangular steel bracing and steel construction underneath, this loader can be used on uneven ground without fear of its breaking down.

Roller bearings, all working parts slowly driven, yielding compression slats, high-carbon steel axle, direct drive, adjustment for taking up the slack in the elevator, elevator construction, and the gathering cylinder with flexible steel teeth are additional good features.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
Rock Island No. 155, 6-foot Jointed Elevator and with Tongue Truck. . . . .	1505	Hayer
Rock Island No. 155, 8-foot Jointed Elevator and with Tongue Truck. . . . .	1532	Hayest



## The Original Hay Loader



### Rock Island No. 150 Rake Bar Swath Loader

THE Rock Island No. 150 is really a "One-Man" loader. It pushes the hay forward on the load—the wind cannot blow the hay away—and there is nothing to drag it off the wagon. As the load increases the hay is pushed forward—the loader does practically all the work of building the load.

The throat opening is adjustable to handle the lightest to heaviest swath—will also handle a light windrow. The swath board is hinged along the top edge—a slight pressure of the foot causes it to swing forward, increasing the size of the throat opening. A strong coil spring at each end holds it firmly in the desired position.

The Rock Island No. 150 will load hay on hillsides or while going up or down hill. It will go into depressions or over ridges picking up the clean hay from any ground on which it is possible to operate a mower and it does not gather trash.

The slow, oblong motion of the rakes insures hay being delivered onto the wagon in the best possible condition—they rake the hay instead of kicking it—making approximately only seventeen hundred instead of thirty-five hundred to fifty-five hundred strokes per mile. This loader in clover and alfalfa saves more of the foliage—the most valuable part of the hay. The

Diagram Showing  
Motion of Rakes on Rock Island.  
1,700 Strokes Per Mile.

HOW  
Other Loaders  
DO IT.



## ROCK ISLAND No. 150 RAKE BAR LOADER—Continued

## Making Hay the Easy Way



Commencing the Load



Building the Load



Finishing the Load

slow, continuous motion does not disturb the under-trash or dig up the dirt.

A lever on each side of the loader makes it possible to regulate the pressure of the rakes against the ground.

The rake bars are pulled from the top instead of being pushed from the bottom. This avoids buckling and bending of elevator bars, which occurs when they are pushed instead of pulled. It also removes the excessive strain on the crank shaft as the rake bars are not rigidly attached to this shaft. The crank shaft merely holds rake bars in proper position by means of sliding connections.

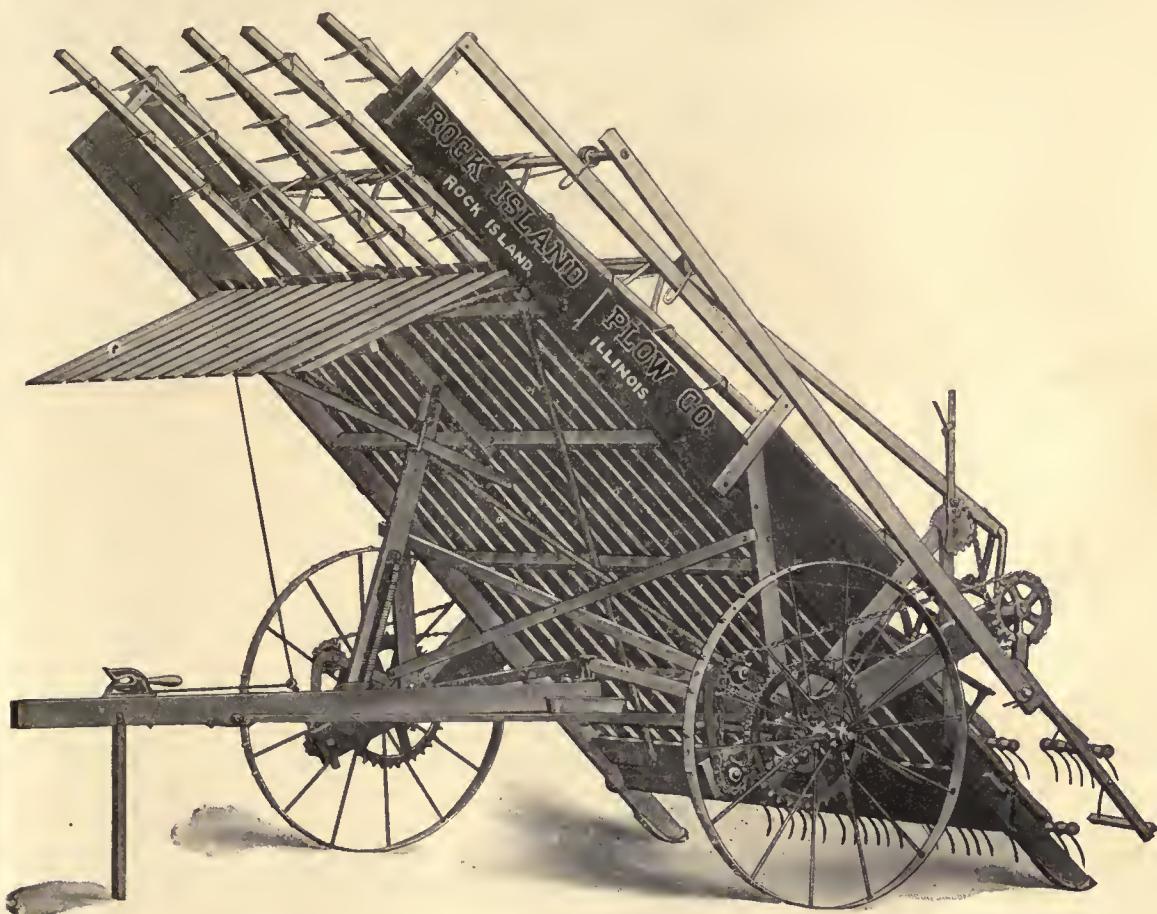
The Rock Island No. 150 Rake Bar Loader is driven from both wheels—a continuous positive drive without any twist or strain. The rakes gather the hay when turning at corners just the same as on the straightaway.

The direct chain drive overcomes all tendency of the chains to jump the sprocket, and helps the loader to pull easily. A tightener is provided to take up any slack that might occur in this chain.

The main axle and crank shaft are fitted with roller bearings, which greatly reduces draft and adds life to the loader. The axle does not sag—the combination wood and steel truss holds it rigid.



## ROCK ISLAND No. 150 RAKE BAR LOADER—Continued



A cushion or relief spring takes the jar off the loader when operating on rough ground saving a great deal of wear. This spring holds the shoes or runners firmly to the ground, but permits them to rise over obstructions or uneven places without damage.

Automatic coupler makes it possible to de-

tach loader from rack without driver getting off the load.

The Rock Island No. 150 was the first hay loader built—over forty years ago. The original principles still prevail, with only improvements in material and workmanship.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
Rock Island No. 150—6-foot Rake Bar Loader.....	1000	Omelet
Rock Island No. 150—8-foot Rake Bar Loader.....	1030	Omelet



## Telegraph Code

NOTE.—The use of the Telegraph Code will greatly lessen the expense of telegraphing. It will be found very plain and complete, so that no special comment seems necessary.

### SHIPPING, INQUIRIES AND INSTRUCTIONS

Babe.....	Can you ship immediately?
Babel.....	How soon can you ship?
Baby.....	How soon could you ship?
Back.....	Ship at once.
Bacon.....	Ship as soon as possible.
Badge.....	Ship soon as possible and advise when.
Bag.....	Ship today, sure.
Bail.....	Ship not later than _____.
Bake.....	Ship what you can immediately; balance soon as possible.
Bald.....	Ship by local freight.
Balm.....	Ship in first car load.
Balor.....	Ship in next car load.
Band.....	Ship to address of _____.
Banjo.....	Ship knocked down and boxed.
Bank.....	Ship knocked down and boxed for ocean.
Barb.....	Ship no more until further advised.
Barge.....	Referring to order of _____.
Baric.....	Referring to shipment of _____.
Bark.....	When did you ship?
Barn.....	When will you ship?
Baron.....	Have you shipped our order?
Basal.....	Have you shipped our order of _____?
Base.....	Hurry shipment of our order.
Basin.....	Hurry shipment of _____.
Bask.....	When will you complete order _____?
Bat.....	We are entirely out of _____.
Batch.....	In urgent need of _____.
Bate.....	In urgent need of articles on order _____.
Bath.....	Add to our order _____.
Baton.....	Deduct from our order _____.
Batty.....	If not already shipped hold for further instructions our order _____.
Bauch.....	If not already shipped _____.
Bavin.....	Have shipment followed with tracer.
Bay.....	Shipment made _____ has not arrived; wire tracer.

### REPLIES

Dab.....	Could ship within _____.
Dace.....	Could ship about _____.
Daddy.....	Can ship at once.
Dado.....	Can ship today if advised in time.
Daff.....	Can ship in a week or ten days.
Dag.....	Cannot ship before _____.
Daily.....	Are shipping today.
Daisy.....	Will ship _____.
Dale.....	Will ship about _____.
Dally.....	Will ship at once.



## Telegraph Code

NOTE.—The use of the Telegraph Code will greatly lessen the expense of telegraphing. It will be found very plain and complete, so that no special comment seems necessary.

### REPLIES—Continued

Dame.....	Will ship in next car load.
Damon.....	Will try to ship_____.
Damp.....	Will ship from_____.
Dan.....	Expect to ship_____.
Dance.....	Cannot give exact date.
Dandy.....	Shipment made_____.
Dane.....	Shipment will be made_____.
Dank.....	Too late to change order.
Dare.....	Too late to change route.
Dark.....	Referring to your order_____.
Darn.....	Are awaiting shipment instructions.
Darb.....	Order referred to was shipped_____.
Dash.....	Order referred to will be shipped_____.
Date.....	Will hold as requested.
Daub.....	Will complete order about_____.
Daunt.....	Will trace immediately.
Davit.....	Instructions received too late.
Dawn.....	We are tracing shipment.
Daze.....	Tracer will follow.

### ROUTING INSTRUCTIONS

Ship via or in care of—

Eager.....	U. S. Mail.
Eagle.....	American Express.
Ear.....	Parcel Post.

#### CODE                    RAILWAYS

Earl.....	Big Four.
Earn.....	B. & O.
Earth.....	Chesapeake & Ohio.
Ease.....	Chicago & Alton.
East.....	C., B. & Q.
Easy.....	C. G. W.
Eat.....	C., R. I. & P.
Eaves.....	C., M. & St. P.
Ebb.....	Northwestern Lines.
Ebony.....	Cotton Belt.
Echo.....	Erie.
Eclat.....	Frisco Lines.
Eeru.....	Grand Trunk.
Eddy.....	Great Northern.
Eden.....	H. & T. C.
Edgar.....	Illinois Central.
Edge.....	I. & G. N.
Edict.....	L. E. & W.
Edit.....	L. & N.

#### CODE                    RAILWAYS

Educe.....	Kansas City Southern.
Eel.....	Kansas, Mexico & Orient
Eerie.....	Kansas, Oklahoma & Gulf.
Egest.....	Michigan Central.
Egg.....	M. & St. L.
Ego.....	Missouri Pacific.
Egret.....	M., K. & T.
Egypt.....	Mobile & Ohio.
Eject.....	N. Y. Central Lines.
Eke.....	Northern Pacific.
Elate.....	Santa Fe.
Elbo.....	S. A. & A. P.
Elder.....	Southern.
Elect.....	Southern Pacific.
Elf.....	Texas & Pacific.
Elide.....	Union Pacific.
Elk.....	Wabash.
Elm.....	C. & E. I.



## Telegraph Code

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### ORDER NUMBERS

Fable	One-fourth.		Fatal	22
Face	One-fourth each.		Fault	23
Facet	One-third.		Faun	24
Fact	One-third each.		Faust	25
Fad	One-half.		Fawn	26
Fade	One-half each.		Faze	27
Fag	Three-fourths.		Feal	28
Fagot	Two-thirds.		Fear	29
Fail	1 each.		Feast	30
Fain	2 each.		Feat	32
Faint	3 each.		Feaze	33
Fair	4 each.		Fee	34
Fairy	5 each.		Feed	35
Faith	6 each.		Feel	36
Fake	7 each.		Feign	37
Fall	8 each.		Feint	38
False	9 each.		Fell	39
Fame	10 each.		Felon	45
Fan	12 each.		Felt	55
Fancy	15 each.		Femur	65
Fane	20 each.		Fence	75
Fang	25 each.		Fend	85
Farce	30 each.		Funny	95
Fare	40 each.		Feral	100
Farm	50 each.		Fern	125
Faro	100 each.		Ferry	150
Fast	200 each.	21	Fetch	175
Fat			Feud	200

### DATES AND TIMES

Date	Ultimo	Instant	Proximo	Date	Ultimo	Instant	Proximo
1st	Gab	Game	Gasp	17th	Gean	Gent	Giddy
2d	Gable	Gamin	Gassy	18th	Gear	Genus	Gift
3rd	Gaby	Gamp	Gatch	19th	Gee	Geoid	Gig
4th	Gadus	Gamut	Gate	20th	Geest	Gerb	Gigot
5th	Gaff	Gamy	Gaud	21st	Geld	Germ	Gild
6th	Gag	Ganch	Gaudy	22d	Gelid	Gest	Gill
7th	Gage	Gang	Gaul	23rd	Gem	Get	Gilt
8th	Gain	Gaol	Gaum	24th	Gemel	Ghant	Gimp
9th	Gait	Gap	Gaunt	25th	Gemmy	Ghee	Gin
10th	Gala	Gape	Gauze	26th	Genal	Ghost	Gird
11th	Galax	Gaper	Gavel	27th	Genet	Ghoul	Girl
12th	Gale	Gar	Gavot	28th	Genie	Giant	Girn
13th	Galen	Garb	Gawk	29th	Genip	Gib	Girt
14th	Gall	Garth	Gay	30th	Genoa	Gibe	Gist
15th	Galt	Gas	Gayal	31st	Gens	Gibus	Give
16th	Gamba	Gash	Gaze				



## Telegraph Code

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### CORRESPONDENCE

Nab.....	Await our letter_____.
Nacre.....	Await our written instructions.
Nail.....	Awaiting answer to our letter of_____.
Naive.....	Awaiting answer to our message of_____.
Nancy.....	Awaiting your instructions.
Nap.....	Answer by first mail.
Nappe.....	Answer by night message.
Nare.....	Wire answer immediately.
Nasty.....	Wire reply as soon as possible.
Natal.....	Referring to your letter of_____.
Natty.....	Referring to your telegram of_____.
Navy.....	Referring to our letter of_____.
Naze.....	Referring to our telegram of_____.
Near.....	Cannot understand_____word.
Neat.....	Will write you fully today.
Neck.....	Writing you fully today.
Need.....	Will write you fully tomorrow.
Negro.....	Wrote you fully yesterday.
Neigh.....	Go immediately_____.
Nerve.....	Where inquire for mail?
Nest.....	Where find instructions?
Net.....	Papers going by mail.
Nice.....	Papers going by express.
Nick.....	Wish to make contract.
Niece.....	Wish to buy.
Nigh.....	Call upon_____.
Night.....	Call upon our agent.
Nihil.....	Your assistance is wanted.
Nike.....	Let there be no delay.
Nile.....	This requires your immediate attention.
Nip.....	In the absence of other instructions.
Nit.....	Will go to_____.
Niter.....	Will go next_____.
Noah.....	Expect to go_____.
Nob.....	Expect to be at_____.
Noble.....	Where will mail reach you?
Nock.....	Mail will reach me at_____.
Node.....	Amount of account.
Noel.....	Amount of notes.
Noise.....	Total amount of indebtedness.



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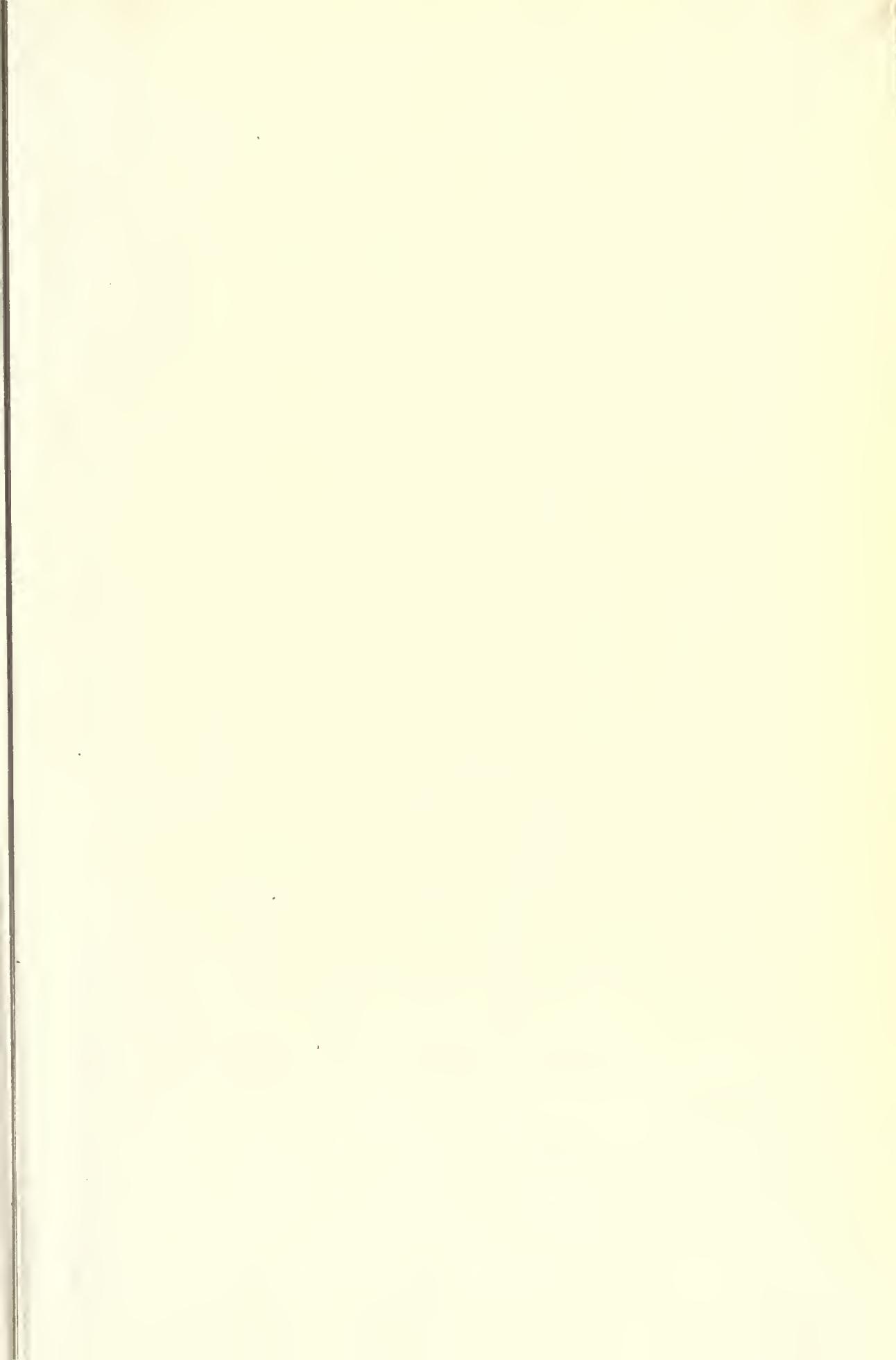




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